

SOLAR- POWER WATER PUMP

2026-2027



www.solarpump.cn

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GENERAL INFORMATION

WASSERMANN solar pumping system offers a complete, off-grid water supply. Sunlight is harvested by the solar panels and converted to DC power. The controller intelligently manages this energy—optimizing power output via MPPT or interfacing with battery storage—to seamlessly drive the pump. This system ensures stable water extraction from the well or river regardless of sunlight fluctuations. It delivers a stable and cost-effective solution for:

AGRICULTURE AND IRRIGATION

. Livestock watering
. Irrigation systems (farm, garden, orchards)

WATER SUPPLY AND STORAGE

. Rural water supply for villages
. Tank / Cistern filling
. Rain harvesting
. Effluent pumping

AQUACULTURE AND MARICULTURE

. Pond aeration and circulation
. Recirculating aquaculture systems (RAS)
. Coastal and offshore mariculture


Livestock Watering


Pond Aeration


Irrigation & Agriculture


Off-Grid Household

IDENTIFICATION

Type key

Example: 4 SQJ 3.6 / 0.67 H -A/D-IN

Minimum well diameter
2 = 2 inch
3 = 3 inch
4 = 4 inch
4/6 = 6 inch
6 = 6 inch
8= 8 inch

Pump type
SQG = screw type
SQJ = plastic impeller type
SSC = SS impeller type

Maximum flow
3.6m^3/h

Motor power
0.67HP

Controller VOC voltage
H = higher voltage

Controller type
= DC external
IN = DC integrated
A/D = AC/DC external
A/D-IN = AC/DC integrated

CONTROLLER UNIT



FEATURES

. IP65 rated enclosure: superior protection against wildlife, insects, dust, and harsh weather.
. Integrated MPPT: maximizes PV input power efficiency.
. Soft-start technology: eliminates water hammer and extends system lifespan.
. Smart LED display: real-time monitoring of power, voltage, current, speed, and system metrics.
. Flexible control: supports automatic start/stop and automatic/manual speed adjustment.

MULTIPLE PROTECTION

. Electrical: hardware and software over-current, short circuit, reverse wiring, low or high voltage.
. Motor and pump: phase Loss, speed loss, rotor stuck, under load or dry running.
. System and thermal: over-heated, tank full.

OPERATING PANEL

The operating panel features a comprehensive LED indicator system for real-time status monitoring and a keypad for system configuration.



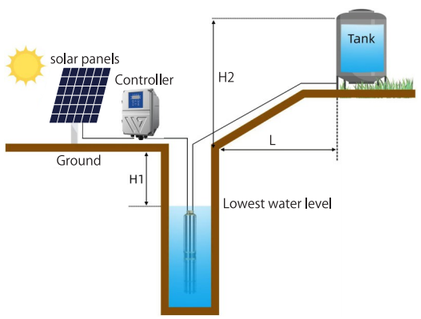
LED INDICATOR LIGHT

Indicator	Indication	Cause
Power	System operating status	Flashing: pump is standby Permanently on: pump is running
MPPT	Solar energy harvesting status	Flashing: MPPT is actively tracking solar power
Well	Dry-run protection	Permanently on when no water is detected in the well
Tank	Tank full protection	Permanently on when the water tank is full
A	Current	The display is showing current (amps)
W	Power	The dispaly is showing the power of the current duty point
RPM	Speed	The dispaly is showing the motor speed of the current duty point
V	Voltage	The display is showing the voltage of the current duty point

KEYPAD OPERATION

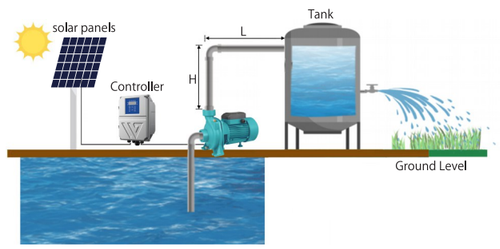
Key Type	Function
Set	Reserved for manufacturer parameter settings (locked)
Enter	Reserved for manufacturer parameter settings (locked)
Up	Push to increase the motor speed (RPM)
Down	Push to decrease the motor speed (RPM)
Switch	Push to switch the display between Voltage (V) -> Speed (RPM) -> Current (A) -> Power (W)
On/Off	Start or stop the pump

HOW TO SELECT THE RIGHT PUMP



Deep Well Pump
H1: Vertical lift from the lowest water level to ground level (m).
H2: Vertical elevation from ground level to the tank (m).
L: Horizontal pipe run (m).

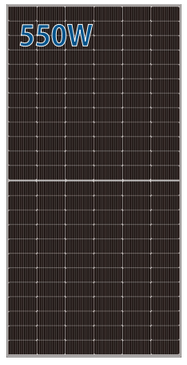
Required rated head ≥ H1 + H2 + 10% L (allowance for pipe friction)



Surface Pump
L: Horizontal pipe run from source to tank (m).
H: Vertical elevation from source to tank (m).

Required rated head ≥ H + 10% L (allowance for pipe friction)

HOW TO SIZE THE SOLAR PANELS



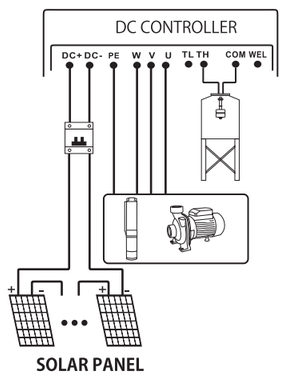
Step 1: Determine Minimum Panel Quantity (Power)
(Pump power × 1.3) ÷ Solar panel power = Min. QTY of solar panels
Ensures sufficient power supply.

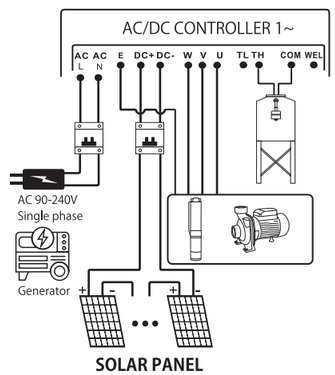
Step 2: Determine Maximum Series Quantity (Voltage Protection)
Max. voltage of controller ÷ Voc of solar panels = Max. QTY of solar panels in series
Limits series voltage to prevent controller damage.

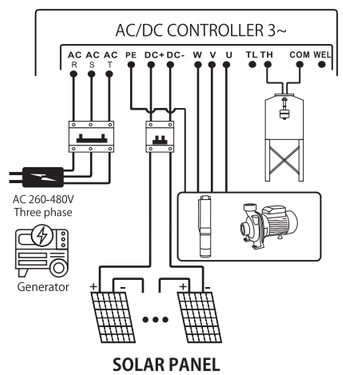
Step 3: Verify MPPT Voltage (Efficiency)
QTY of solar panels × Vmp > Min. MPPT voltage of control box
Ensures high pump efficiency and cost-effectiveness.

Step 4: Final Configuration
Prioritize series connection before parallel connection to determine the optimal solar panel configuration.

WIRING DIAGRAMS





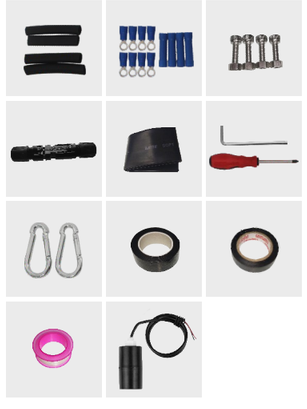


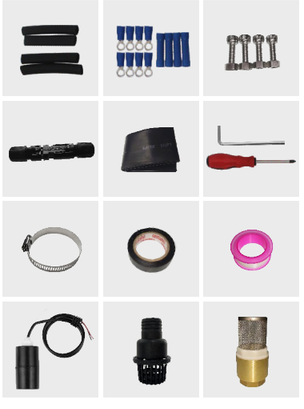
FREE ACCESSORIES

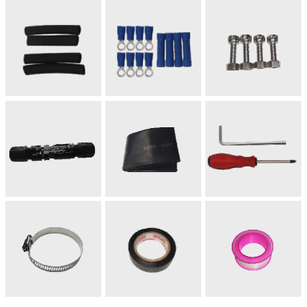












01

SOLAR POWER PUMP FOR AGRICULTURE AND IRRIGATION



2SQG/3SQG DC SERIES SUBMERSIBLE SCREW PUMP





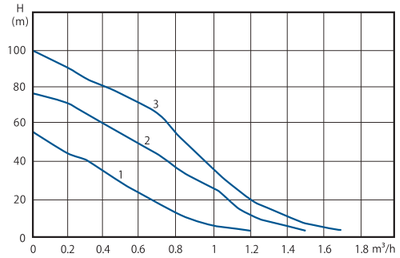


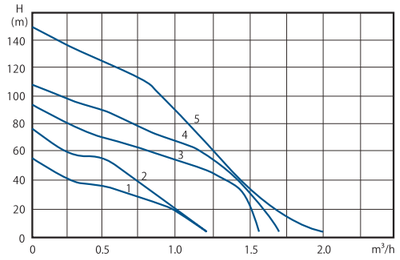
Standard DC controller
(24-280V)



Economical DC controller
(24-110V)

CHARACTERISTIC CURVES





PERFORMANCE DATA

PUMP						CONTROLLER		
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	VOC range (V)	MPPT voltage range (V)
2SQG1.2/0.16	1.2m³/h-56m-24V-120W	1	0.16	¾"	1.5	0.12	18-60	30-48
2SQG1.5/0.28	1.5m³/h-77m-24V-210W	2	0.28	¾"	1.5	0.21	18-60	30-48
2SQG1.7/0.67	1.7m³/h-100m-48V-500W	3	0.67	¾"	1.5	0.5	30-110	60-90
3SQG1.2/0.16 (IN)	1.2m³/h-56m-24V-120W	4	0.16	¾"	2	0.12	18-60	30-48
3SQG1.2/0.28 (IN)	1.2m³/h-77m-24V-210W	5	0.28	¾"	2	0.21	18-60	30-48
3SQG1.7/0.5 (IN)	1.7m³/h-90m-24V-370W	6	0.5	¾"	2	0.37	18-60	30-48
3SQG1.7/0.67 (IN)	1.7m³/h-109m-48V-500W	7	0.67	¾"	2	0.5	30-110	60-90
3SQG1.7/1 (IN)	1.7m³/h-150m-72V-750W	8	1	¾"	2	0.75	50-170	90-120

2SQJ DC SERIES SUBMERSIBLE BOREHOLE PUMP *With plastic impeller*



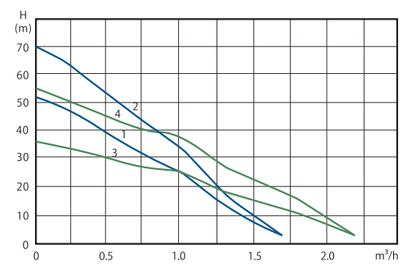


Standard DC controller
(24-280V)



Economical DC controller
(24-110V)

CHARACTERISTIC CURVES



PERFORMANCE DATA

PUMP						CONTROLLER		
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	VOC range (V)	MPPT voltage range (V)
2SQJ1.7/0.4	1.7m³/h-52m-24V-300W	1	0.4	¾"	1.5	0.3	18-60	30-48
2SQJ1.7/0.55	1.7m³/h-70m-48V-400W	2	0.55	¾"	1.5	0.4	30-110	60-90
2SQJ2.2/0.4	2.2m³/h-36m-24V-300W	3	0.4	¾"	1.5	0.3	18-60	30-48
2SQJ2.2/0.55	2.2m³/h-55m-48V-400W	4	0.55	¾"	1.5	0.4	30-110	60-90

3SQJ DC SERIES SUBMERSIBLE BOREHOLE PUMP *With plastic impeller*



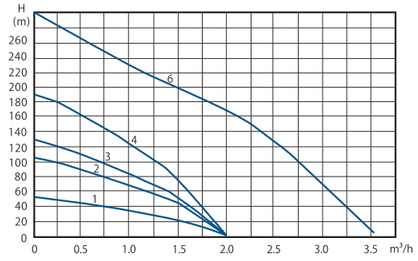


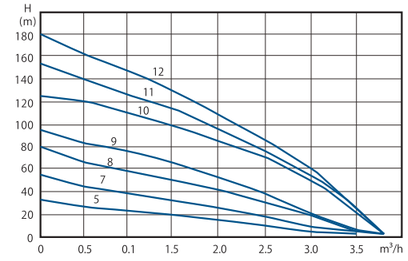
Standard DC controller
(24-280V)

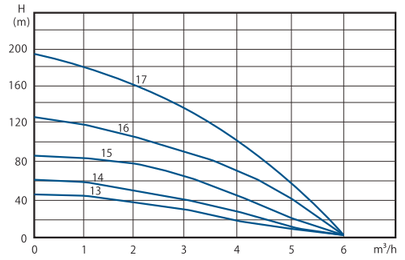


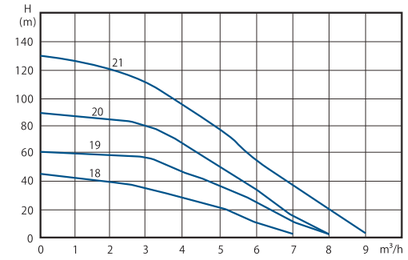
Economical DC controller
(24-110V)

CHARACTERISTIC CURVES









3SQJ DC SERIES SUBMERSIBLE BOREHOLE PUMP *With plastic impeller*

PERFORMANCE DATA

PUMP						CONTROLLER		
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	VOC range (V)	MPPT voltage range (V)
3SQJ2/0.4 (IN)	2.0m³/h-53m-24V-300W	1	0.4	1¼"	2	0.3	18-60	30-48
3SQJ2/0.8 (IN)	2.0m³/h-105m-48V-600W	2	0.8	1¼"	2	0.6	30-110	60-90
3SQJ2/1 (IN)	2.0m³/h-130m-48V-750W	3	1	1¼"	2	0.75	30-110	60-90
3SQJ2/1-H (IN)	2.0m³/h-130m-72V-750W	3	1	1¼"	2	0.75	50-170	90-120
3SQJ2/1.5 (IN)	2.0m³/h-190m-110V-1100W	4	1.5	1¼"	2	1.1	60-220	96-150
3SQJ3.5/0.4 (IN)	3.5m³/h-35m-24V-300W	5	0.4	1¼"	2	0.3	18-60	30-48
3SQJ3.5/3 (IN)	3.5m³/h-300m-220V-2200W	6	3	1¼"	2	2.2	80-490	220-350
3SQJ3.8/0.55 (IN)	3.8m³/h-55m-48V-400W	7	0.55	1¼"	2	0.4	30-110	60-90
3SQJ3.8/0.8 (IN)	3.8m³/h-80m-48V-600W	8	0.8	1¼"	2	0.6	30-110	60-90
3SQJ3.8/0.8-H (IN)	3.8m³/h-80m-72V-600W	8	0.8	1¼"	2	0.6	50-170	90-120
3SQJ3.8/1 (IN)	3.8m³/h-95m-48V-750W	9	1	1¼"	2	0.75	30-110	60-90
3SQJ3.8/1-H (IN)	3.8m³/h-95m-72V-750W	9	1	1¼"	2	0.75	50-170	90-120
3SQJ3.8/1.5 (IN)	3.8m³/h-125m-110V-1100W	10	1.5	1¼"	2	1.1	60-220	96-150
3SQJ3.8/1.75 (IN)	3.8m³/h-155m-110V-1300W	11	1.75	1¼"	2	1.3	60-220	96-150
3SQJ3.8/2 (IN)	3.8m³/h-180m-110V-1500W	12	2	1¼"	2	1.5	60-220	96-150
3SQJ3.8/2-H (IN)	3.8m³/h-180m-180V-1500W	12	2	1¼"	2	1.5	80-490	180-350
3SQJ6/0.8 (IN)	6m³/h-45m-48V-600W	13	0.8	1¼"or1½"	2	0.6	30-110	60-90
3SQJ6/0.8-H (IN)	6m³/h-45m-72V-600W	13	0.8	1¼"or1½"	2	0.6	50-170	90-120
3SQJ6/1 (IN)	6m³/h-60m-48V-750W	14	1	1¼"or1½"	2	0.75	30-110	60-90
3SQJ6/1-H (IN)	6m³/h-60m-72V-750W	14	1	1¼"or1½"	2	0.75	50-170	90-120
3SQJ6/1.5 (IN)	6m³/h-85m-110V-1100W	15	1.5	1¼"or1½"	2	1.1	60-220	96-150
3SQJ6/2 (IN)	6m³/h-125m-110V-1500W	16	2	1¼"or1½"	2	1.5	60-220	96-150
3SQJ6/2-H (IN)	6m³/h-125m-180V-1500W	16	2	1¼"or1½"	2	1.5	80-490	180-350
3SQJ6/3 (IN)	6m³/h-195m-220V-2200W	17	3	1¼"or1½"	2	2.2	80-490	220-350
3SQJ7/1 (IN)	7m³/h-46m-48V-750W	18	1	1¼"or1½"	2	0.75	30-110	60-90
3SQJ7/1-H (IN)	7m³/h-46m-72V-750W	18	1	1¼"or1½"	2	0.75	50-170	90-120
3SQJ8/1.5 (IN)	8m³/h-62m-110V-1100W	19	1.5	1¼"or1½"	2	1.1	60-220	96-150
3SQJ8/2 (IN)	8m³/h-90m-110V-1500W	20	2	1¼"or1½"	2	1.5	60-220	96-150
3SQJ8/2-H (IN)	8m³/h-90m-180V-1500W	20	2	1¼"or1½"	2	1.5	80-490	180-350
3SQJ9/2 (IN)	9m³/h-130m-220V-2200W	21	2	1¼"or1½"	2	2.2	80-490	220-350

3SQJ AC/DC SERIES SUBMERSIBLE BOREHOLE PUMP *With plastic impeller*



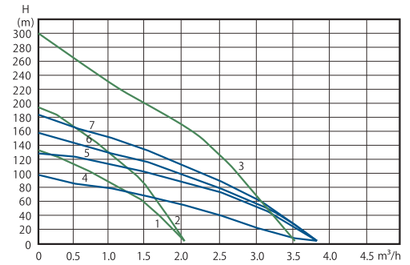


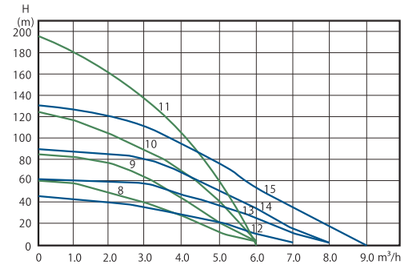
AC/DC AUTOMATIC controller
(96-280V)



AC/DC HYBRID controller
(96-280V)

CHARACTERISTIC CURVES





PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
3SQJ2/1-A/D (IN)	2m³/h-130m-96V-750W	1	1	1¼"	2	0.75	90-240	80-430	96-350
3SQJ2/1.5-A/D (IN)	2m³/h-190m-150V-1100W	2	1.5	1¼"	2	1.1	90-240	80-430	150-350
3SQJ3.5/3-A/D (IN)	3.5m³/h-300m-220V-2200W	3	3	1¼"	2	2.2	90-240	80-430	220-350
3SQJ3.8/1-A/D (IN)	3.8m³/h-95m-96V-750W	4	1	1¼"	2	0.75	90-240	80-430	96-350
3SQJ3.8/1.5-A/D (IN)	3.8m³/h-125m-150V-1100W	5	1.5	1¼"	2	1.1	90-240	80-430	150-350
3SQJ3.8/1.75-A/D (IN)	3.8m³/h-155m-170V-1300W	6	1.75	1¼"	2	1.3	90-240	80-430	220-350
3SQJ3.8/2-A/D (IN)	3.8m³/h-180m-180V-1500W	7	2	1¼"	2	1.5	90-240	80-430	180-350
3SQJ6/1-A/D (IN)	6m³/h-60m-96V-750W	8	1	1¼"or1½"	2	0.75	90-240	80-430	96-350
3SQJ6/1.5-A/D (IN)	6m³/h-85m-150V-1100W	9	1.5	1¼"or1½"	2	1.1	90-240	80-430	150-350
3SQJ6/2-A/D (IN)	6m³/h-125m-180V-1500W	10	2	1¼"or1½"	2	1.5	90-240	80-430	180-350
3SQJ6/3-A/D (IN)	6m³/h-95m-220V-2200W	11	3	1¼"or1½"	2	2.2	90-240	80-430	220-350
3SQJ7/1-A/D (IN)	7m³/h-46m-96V-750W	12	1	1¼"or1½"	2	0.75	90-240	80-430	96-350
3SQJ8/1.5-A/D (IN)	8m³/h-62m-150V-1100W	13	1.5	1¼"or1½"	2	1.1	90-240	80-430	150-350
3SQJ8/2-A/D (IN)	8m³/h-90m-180V-1500W	14	2	1¼"or1½"	2	1.5	90-240	80-430	180-350
3SQJ9/2-A/D (IN)	9m³/h-130m-220V-2200W	15	2	1¼"or1½"	2	2.2	90-240	80-430	220-350

4SQJ DC SERIES SUBMERSIBLE BOREHOLE PUMP *With plastic impeller*



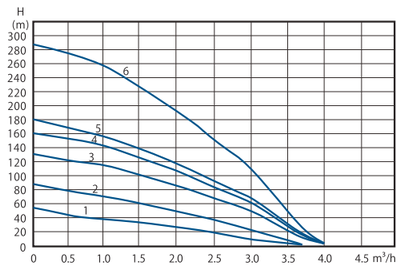


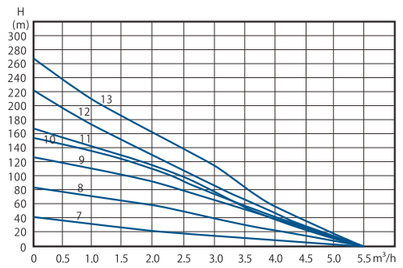
Standard DC controller
(24-280V)

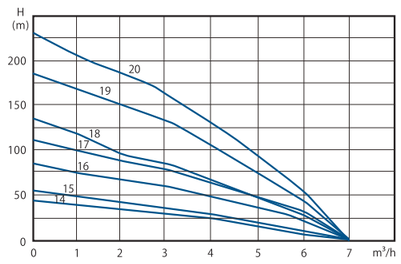


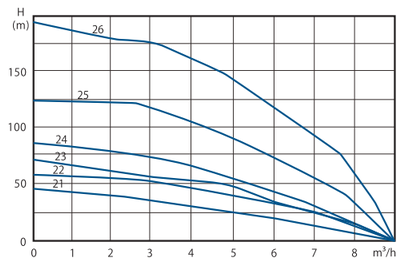
Economical DC controller
(24-110V)

CHARACTERISTIC CURVES

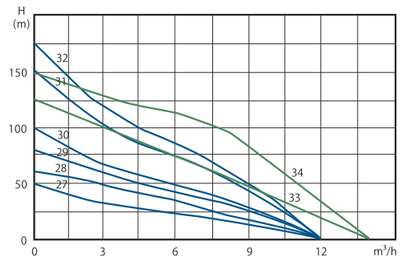


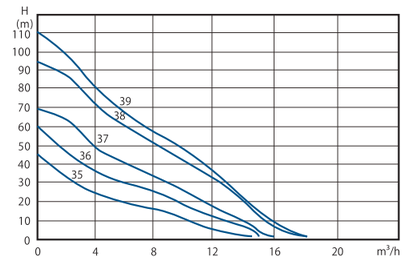


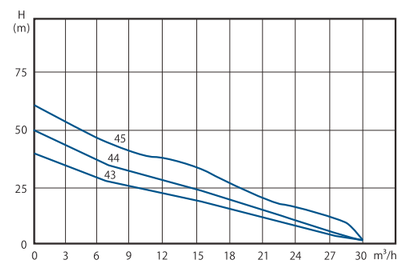


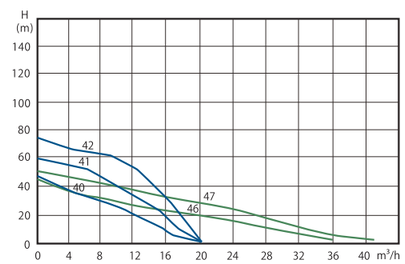


4SQJ DC SERIES SUBMERSIBLE BOREHOLE PUMP *With plastic impeller*









PERFORMANCE DATA

PUMP						CONTROLLER		
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	VOC range (V)	MPPT voltage range (V)
4SQJ3.6/0.67 (IN)	3.6m³/h-55m-48V-500W	1	0.67	1¼"	2	0.5	30-110	60-90
4SQJ3.6/1 (IN)	3.6m³/h-88m-72V-750W	2	1	1¼"	2	0.75	50-170	90-120
4SQJ4/1.5 (IN)	4m³/h-130m-110V-1100W	3	1.5	1¼"	2	1.1	60-220	96-150
4SQJ4/1.75 (IN)	4m³/h-160m-110V-1300W	4	1.75	1¼"	2	1.3	60-220	96-150
4SQJ4/2 (IN)	4m³/h-180m-110V-1500W	5	2	1¼"	2	1.5	60-220	96-150
4SQJ4/2-H (IN)	4m³/h-180m-180V-1500W	5	2	1¼"	2	1.5	80-490	180-350
4SQJ4/3 (IN)	4m³/h-288m-220V-2200W	6	3	1¼"	2	2.2	80-490	220-350
4SQJ5.5/0.55 (IN)	5.5m³/h-42m-48V-400W	7	0.55	1¼"	2	0.4	30-110	60-90
4SQJ5.5/1.1 (IN)	5.5m³/h-83m-72V-800W	8	1.1	1¼"	2	0.8	50-170	90-120
4SQJ5.5/1.5 (IN)	5.5m³/h-125m-150V-1100W	9	1.5	1¼"	2	1.1	80-490	150-350
4SQJ5.5/1.75 (IN)	5.5m³/h-152m-170V-1300W	10	1.75	1¼"	2	1.3	80-490	170-350
4SQJ5.5/2 (IN)	5.5m³/h-165m-180V-1500W	11	2	1¼"	2	1.5	80-490	180-350
4SQJ5.5/3 (IN)	5.5m³/h-221m-220V-2200W	12	3	1¼"	2	2.2	80-490	220-350
4SQJ5.5/4	5.5m³/h-262m-280V-3000W	13	4	1¼"	2	3	80-490	280-350
4SQJ7/0.8 (IN)	7m³/h-45m-48V-600W	14	0.8	1¼"or1½"or2"	2	0.6	30-110	60-90
4SQJ7/1 (IN)	7m³/h-56m-48V-750W	15	1	1¼"or1½"or2"	2	0.75	30-110	60-90
4SQJ7/1-H (IN)	7m³/h-56m-72V-750W	15	1	1¼"or1½"or2"	2	0.75	50-170	90-120
4SQJ7/1.5 (IN)	7m³/h-86m-110V-1100W	16	1.5	1¼"or1½"or2"	2	1.1	60-220	96-150
4SQJ7/1.75 (IN)	7m³/h-112m-110V-1300W	17	1.75	1¼"or1½"or2"	2	1.3	60-220	96-150
4SQJ7/2 (IN)	7m³/h-135m-110V-1500W	18	2	1¼"or1½"or2"	2	1.5	60-220	96-150
4SQJ7/2-H (IN)	7m³/h-135m-180V-1500W	18	2	1¼"or1½"or2"	2	1.5	80-490	180-350
4SQJ7/3 (IN)	7m³/h-185m-220V-2200W	19	3	1¼"or1½"or2"	2	2.2	80-490	220-350
4SQJ7/4	7m³/h-230m-280V-3000W	20	4	1¼"or1½"or2"	2	3	80-490	280-350

4SQJ DC SERIES SUBMERSIBLE BOREHOLE PUMP *With plastic impeller*

PERFORMANCE DATA

PUMP						CONTROLLER		
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	VOC range (V)	MPPT voltage range (V)
4SQJ9/1 (IN)	9m³/h-45m-48V-750W	21	1	1½"or2"	2	0.75	30-110	60-90
4SQJ9/1-H (IN)	9m³/h-45m-72V-750W	21	1	1½"or2"	2	0.75	50-170	90-120
4SQJ9/1.5 (IN)	9m³/h-58m-110V-1100W	22	1.5	1½"or2"	2	1.1	60-220	96-150
4SQJ9/1.75 (IN)	9m³/h-71m-110V-1300W	23	1.75	1½"or2"	2	1.3	60-220	96-150
4SQJ9/2 (IN)	9m³/h-85m-110V-1500W	24	2	1½"or2"	2	1.5	60-220	96-150
4SQJ9/2-H (IN)	9m³/h-85m-180V-1500W	24	2	1½"or2"	2	1.5	80-490	180-350
4SQJ9/3 (IN)	9m³/h-125m-220V-2200W	25	3	1½"or2"	2	2.2	80-490	220-350
4SQJ9/4	9m³/h-195m-280V-3000W	26	4	1½"or2"	2	3	80-490	280-350
4SQJ12/1 (IN)	12m³/h-50m-48V-750W	27	1	2"	2	0.75	30-110	60-90
4SQJ12/1-H (IN)	12m³/h-50m-72V-750W	27	1	2"	2	0.75	50-170	90-120
4SQJ12/1.5 (IN)	12m³/h-60m-110V-1100W	28	1.5	2"	2	1.1	60-220	96-150
4SQJ12/1.75 (IN)	12m³/h-80m-110V-1300W	29	1.75	2"	2	1.3	60-220	96-150
4SQJ12/2 (IN)	12m³/h-100m-110V-1500W	30	2	2"	2	1.5	60-220	96-150
4SQJ12/2-H (IN)	12m³/h-100m-180V-1500W	30	2	2"	2	1.5	80-490	180-350
4SQJ12/3 (IN)	12m³/h-150m-220V-2200W	31	3	2"	2	2.2	80-490	220-350
4SQJ12/4	12m³/h-175m-280V-3000W	32	4	2"	2	3	80-490	280-350
4SQJ14/3 (IN)	14m³/h-125m-220V-2200W	33	3	2"	2	2.2	80-490	220-350
4SQJ14/4	14m³/h-150m-280V-3000W	34	4	2"	2	3	80-490	280-350
4SQJ15/1 (IN)	15m³/h-45m-48V-750W	35	1	2"	2	0.75	30-110	60-90
4SQJ15/1-H (IN)	15m³/h-45m-72V-750W	35	1	2"	2	0.75	50-170	90-120
4SQJ15/1.5 (IN)	15m³/h-60m-110V-1100W	36	1.5	2"	2	1.1	60-220	96-150
4SQJ16/2 (IN)	16m³/h-70m-110V-1500W	37	2	2"	2	1.5	60-220	96-150
4SQJ16/2-H (IN)	16m³/h-70m-180V-1500W	37	2	2"	2	1.5	80-490	180-350
4SQJ18/3 (IN)	18m³/h-95m-220V-2200W	38	3	2"	2	2.2	80-490	220-350
4SQJ18/4	18m³/h-112m-280V-3000W	39	4	2"	2	3	80-490	280-350
4SQJ20/2 (IN)	20m³/h-48m-110V-1500W	40	2	2"	2	1.5	60-220	96-150
4SQJ20/2-H (IN)	20m³/h-48m-180V-1500W	40	2	2"	2	1.5	80-490	180-350
4SQJ20/3 (IN)	20m³/h-60m-220V-2200W	41	3	2"	2	2.2	80-490	220-350
4SQJ20/4	20m³/h-75m-280V-3000W	42	4	2"	2	3	80-490	280-350
4SQJ30/2 (IN)	30m³/h-40m-110V-1500W	43	2	2"	2	1.5	60-220	96-150
4SQJ30/2-H (IN)	30m³/h-40m-180V-1500W	43	2	2"	2	1.5	80-490	180-350
4SQJ30/3 (IN)	30m³/h-50m-220V-2200W	44	3	2"	2	2.2	80-490	220-350
4SQJ30/4	30m³/h-60m-280V-3000W	45	4	2"	2	3	80-490	280-350
4SQJ36/3 (IN)	36m³/h-45m-220V-2200W	46	3	3"	2	2.2	80-490	220-350
4SQJ41/4	41m³/h-52m-280V-3000W	47	4	3"	2	3	80-490	280-350

4SQJ AC/DC SERIES SUBMERSIBLE BOREHOLE PUMP *With plastic impeller*



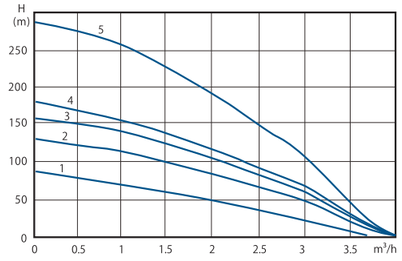


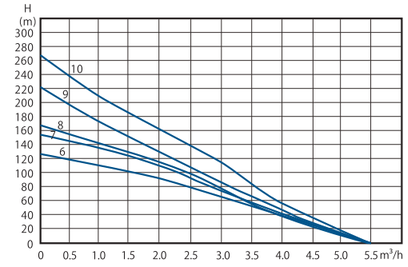
AC/DC AUTOMATIC controller
(96-280V)

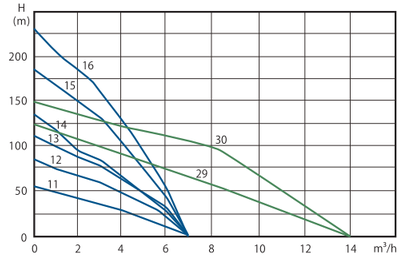


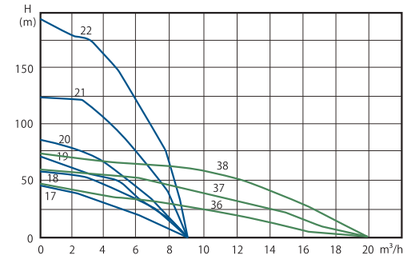
AC/DC HYBRID controller
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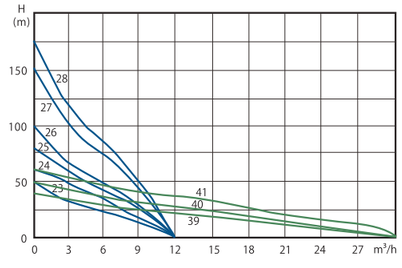
CHARACTERISTIC CURVES

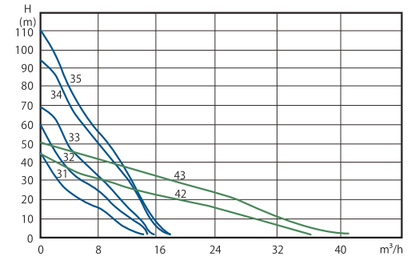












4SQJ AC/DC SERIES SUBMERSIBLE BOREHOLE PUMP *With plastic impeller*

PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
4SQJ3.6/1-A/D (IN)	3.6m³/h-88m-96V-750W	1	1	1¼"	2	0.75	90-240	80-430	96-350
4SQJ4/1.5-A/D (IN)	4m³/h-130m-150V-1100W	2	1.5	1¼"	2	1.1	90-240	80-430	150-350
4SQJ4/1.75-A/D (IN)	4m³/h-160m-170V-1300W	3	1.75	1¼"	2	1.3	90-240	80-430	220-350
4SQJ4/2-A/D (IN)	4m³/h-180m-180V-1500W	4	2	1¼"	2	1.5	90-240	80-430	180-350
4SQJ4/3-A/D (IN)	4m³/h-288m-220V-2200W	5	3	1¼"	2	2.2	90-240	80-430	220-350
4SQJ5.5/1.5-A/D (IN)	5.5m³/h-125m-150V-1100W	6	1.5	1¼"	2	1.1	90-240	80-490	150-350
4SQJ5.5/1.75-A/D (IN)	5.5m³/h-152m-170V-1300W	7	1.75	1¼"	2	1.3	90-240	80-490	170-350
4SQJ5.5/2-A/D (IN)	5.5m³/h-165m-180V-1500W	8	2	1¼"	2	1.5	90-240	80-490	180-350
4SQJ5.5/3-A/D (IN)	5.5m³/h-221m-220V-2200W	9	3	1¼"	2	2.2	90-240	80-430	220-350
4SQJ5.5/4-A/D	5.5m³/h-262m-280V-3000W	10	4	1¼"	2	3	90-240	80-430	280-350
4SQJ7/1-A/D (IN)	7m³/h-56m-96V-750W	11	1	1¼"or1½"or2"	2	0.75	90-240	80-430	96-350
4SQJ7/1.5-A/D (IN)	7m³/h-86m-150V-1100W	12	1.5	1¼"or1½"or2"	2	1.1	90-240	80-430	150-350
4SQJ7/1.75-A/D (IN)	7m³/h-112m-170V-1300W	13	1.75	1¼"or1½"or2"	2	1.3	90-240	80-430	220-350
4SQJ7/2-A/D (IN)	7m³/h-135m-180V-1500W	14	2	1¼"or1½"or2"	2	1.5	90-240	80-430	180-350
4SQJ7/3-A/D (IN)	7m³/h-185m-220V-2200W	15	3	1¼"or1½"or2"	2	2.2	90-240	80-430	220-350
4SQJ7/4-A/D	7m³/h-230m-280V-3000W	16	4	1¼"or1½"or2"	2	3	90-240	80-430	280-350
4SQJ9/1-A/D (IN)	9m³/h-45m-96V-750W	17	1	1½"or2"	2	0.75	90-240	80-430	96-350
4SQJ9/1.5-A/D (IN)	9m³/h-58m-150V-1100W	18	1.5	1½"or2"	2	1.1	90-240	80-430	150-350
4SQJ9/1.75-A/D (IN)	9m³/h-71m-170V-1300W	19	1.75	1½"or2"	2	1.3	90-240	80-430	220-350
4SQJ9/2-A/D (IN)	9m³/h-85m-180V-1500W	20	2	1½"or2"	2	1.5	90-240	80-430	180-350
4SQJ9/3-A/D (IN)	9m³/h-125m-220V-2200W	21	3	1½"or2"	2	2.2	90-240	80-430	220-350
4SQJ9/4-A/D	9m³/h-195m-280V-3000W	22	4	1½"or2"	2	3	90-240	80-430	280-350
4SQJ12/1-A/D (IN)	12m³/h-50m-96V-750W	23	1	2"	2	0.75	90-240	80-430	96-350
4SQJ12/1.5-A/D (IN)	12m³/h-60m-150V-1100W	24	1.5	2"	2	1.1	90-240	80-430	150-350
4SQJ12/1.75-A/D (IN)	12m³/h-80m-170V-1300W	25	1.75	2"	2	1.3	90-240	80-430	220-350
4SQJ12/2-A/D (IN)	12m³/h-100m-180V-1500W	26	2	2"	2	1.5	90-240	80-430	180-350
4SQJ12/3-A/D (IN)	12m³/h-150m-220V-2200W	27	3	2"	2	2.2	90-240	80-430	220-350
4SQJ12/4-A/D	12m³/h-175m-280V-3000W	28	4	2"	2	3	90-240	80-430	280-350
4SQJ14/3-A/D (IN)	14m³/h-125m-220V-2200W	29	3	2"	2	2.2	90-240	80-430	220-350
4SQJ14/4-A/D	14m³/h-150m-280V-3000W	30	4	2"	2	3	90-240	80-430	280-350
4SQJ15/1-A/D (IN)	15m³/h-45m-96V-750W	31	1	2"	2	0.75	90-240	80-430	96-350
4SQJ15/1.5-A/D (IN)	15m³/h-60m-150V-1100W	32	1.5	2"	2	1.1	90-240	80-430	150-350
4SQJ16/2-A/D (IN)	16m³/h-70m-180V-1500W	33	2	2"	2	1.5	90-240	80-430	180-350
4SQJ18/3-A/D (IN)	18m³/h-95m-220V-2200W	34	3	2"	2	2.2	90-240	80-430	220-350
4SQJ18/4-A/D	18m³/h-112m-280V-3000W	35	4	2"	2	3	90-240	80-430	280-350
4SQJ20/2-A/D (IN)	20m³/h-48m-180V-1500W	36	2	2"	2	1.5	90-240	80-430	180-350
4SQJ20/3-A/D (IN)	20m³/h-60m-220V-2200W	37	3	2"	2	2.2	90-240	80-430	220-350
4SQJ20/4-A/D	20m³/h-75m-280V-3000W	38	4	2"	2	3	90-240	80-430	280-350
4SQJ30/2-A/D (IN)	30m³/h-40m-180V-1500W	39	2	2"	2	1.5	90-240	80-430	180-350
4SQJ30/3-A/D (IN)	30m³/h-50m-220V-2200W	40	3	2"	2	2.2	90-240	80-430	220-350
4SQJ30/4-A/D	30m³/h-60m-280V-3000W	41	4	2"	2	3	90-240	80-430	280-350
4SQJ36/3-A/D (IN)	36m³/h-45m-220V-2200W	42	3	3"	2	2.2	90-240	80-430	220-350
4SQJ41/4-A/D	41m³/h-52m-280V-3000W	43	4	3"	2	3	90-240	80-430	280-350

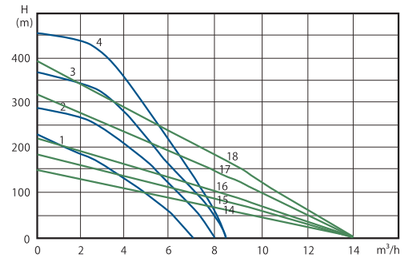
4SQJ AC/DC SERIES SUBMERSIBLE BOREHOLE PUMP *With plastic impeller*

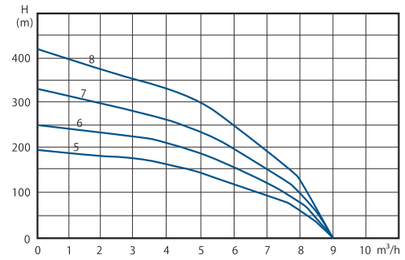


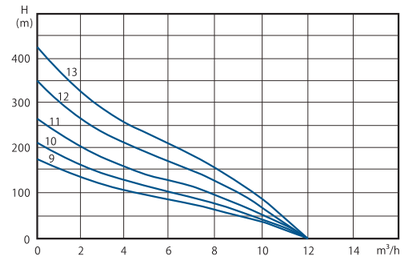


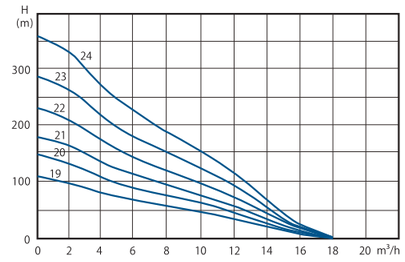
AC/DC AUTOMATIC controller
(300-530V)

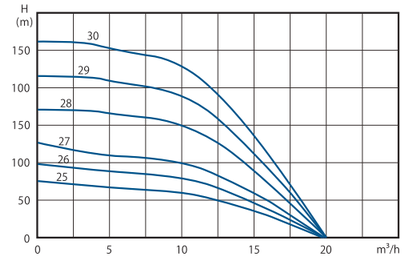
CHARACTERISTIC CURVES

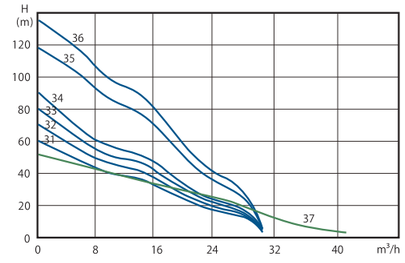












4SQJ AC/DC SERIES SUBMERSIBLE BOREHOLE PUMP *With plastic impeller*

PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
4SQJ7/4-H-A/D	7m³/h-230m-530V-3000W	1	4	1¼"or1½"or2"	2	3	260-480	200-900	480-650
4SQJ8/5.5-A/D	8m³/h-290m-300V-4000W	2	5.5	1¼"or1½"or2"	2	4	90-240	80-490	300-360
4SQJ8/5.5-H-A/D	8m³/h-290m-530V-4000W	2	5.5	1¼"or1½"or2"	2	4	260-480	200-900	480-650
4SQJ8.5/7.5-A/D	8.5m³/h-370m-530V-5500W	3	7.5	1¼"or1½"or2"	2	5.5	260-480	200-900	480-650
4SQJ8.5/10-A/D	8.5m³/h-456m-530V-7500W	4	10	1¼"or1½"or2"	2	7.5	260-480	200-900	480-650
4SQJ9/4-H-A/D	9m³/h-195m-530V-3000W	5	4	1½"or2"	2	3	260-480	200-900	480-650
4SQJ9/5.5-A/D	9m³/h-250m-300V-4000W	6	5.5	1½"or2"	2	4	90-240	80-490	300-360
4SQJ9/5.5-H-A/D	9m³/h-250m-530V-4000W	6	5.5	1½"or2"	2	4	260-480	200-900	480-650
4SQJ9/7.5-A/D	9m³/h-330m-530V-5500W	7	7.5	1½"or2"	2	5.5	260-480	200-900	480-650
4SQJ9/10-A/D	9m³/h-420m-530V-7500W	8	10	1½"or2"	2	7.5	260-480	200-900	480-650
4SQJ12/4-H-A/D	12m³/h-175m-530V-3000W	9	4	2"	2	3	260-480	200-900	480-650
4SQJ12/5.5-A/D	12m³/h-213m-300V-4000W	10	5.5	2"	2	4	90-240	80-490	300-360
4SQJ12/5.5-H-A/D	12m³/h-213m-530V-4000W	10	5.5	2"	2	4	260-480	200-900	480-650
4SQJ12/7.5-A/D	12m³/h-265m-530V-5500W	11	7.5	2"	2	5.5	260-480	200-900	480-650
4SQJ12/10-A/D	12m³/h-350m-530V-7500W	12	10	2"	2	7.5	260-480	200-900	480-650
4SQJ12/12.5-A/D	12m³/h-425m-530V-9200W	13	12.5	2"	2	9.2	260-480	200-900	480-650
4SQJ14/4-H-A/D	14m³/h-150m-530V-3000W	14	4	2"	2	3	260-480	200-900	480-650
4SQJ14/5.5-A/D	14m³/h-185m-300V-4000W	15	5.5	2"	2	4	90-240	80-490	300-360
4SQJ14/5.5-H-A/D	14m³/h-185m-530V-4000W	15	5.5	2"	2	4	260-480	200-900	480-650
4SQJ14/7.5-A/D	14m³/h-220m-530V-5500W	16	7.5	2"	2	5.5	260-480	200-900	480-650
4SQJ14/10-A/D	14m³/h-320m-530V-7500W	17	10	2"	2	7.5	260-480	200-900	480-650
4SQJ14/12.5-A/D	14m³/h-394m-530V-9200W	18	12.5	2"	2	9.2	260-480	200-900	480-650
4SQJ18/4-H-A/D	18m³/h-112m-530V-3000W	19	4	2"	2	3	260-480	200-900	480-650
4SQJ18/5.5-A/D	18m³/h-150m-300V-4000W	20	5.5	2"	2	4	90-240	80-490	300-360
4SQJ18/5.5-H-A/D	18m³/h-150m-530V-4000W	20	5.5	2"	2	4	260-480	200-900	480-650
4SQJ18/7.5-A/D	18m³/h-180m-530V-5500W	21	7.5	2"	2	5.5	260-480	200-900	480-650
4SQJ18/10-A/D	18m³/h-232m-530V-7500W	22	10	2"	2	7.5	260-480	200-900	480-650
4SQJ18/12.5-A/D	18m³/h-288m-530V-9200W	23	12.5	2"	2	9.2	260-480	200-900	480-650
4SQJ18/15-A/D	18m³/h-360m-530V-11000W	24	15	2"	2	11	260-480	200-900	480-650
4SQJ20/4-H-A/D	20m³/h-75m-530V-3000W	25	4	2"	2	3	260-480	200-900	480-650
4SQJ20/5.5-A/D	20m³/h-98m-300V-4000W	26	5.5	2"	2	4	90-240	80-490	300-360
4SQJ20/5.5-H-A/D	20m³/h-98m-530V-4000W	26	5.5	2"	2	4	260-480	200-900	480-650
4SQJ20/7.5-A/D	20m³/h-125m-530V-5500W	27	7.5	2"	2	5.5	260-480	200-900	480-650
4SQJ20/10-A/D	20m³/h-170m-530V-7500W	28	10	2"	2	7.5	260-480	200-900	480-650
4SQJ20/12.5-A/D	20m³/h-215m-530V-9200W	29	12.5	2"	2	9.2	260-480	200-900	480-650
4SQJ20/15-A/D	20m³/h-261m-530V-11000W	30	15	2"	2	11	260-480	200-900	480-650
4SQJ30/4-H-A/D	30m³/h-60m-530V-3000W	31	4	2"	2	3	260-480	200-900	480-650
4SQJ30/5.5-A/D	30m³/h-70m-300V-4000W	32	5.5	2"	2	4	90-240	80-490	300-360
4SQJ30/5.5-H-A/D	30m³/h-70m-530V-4000W	32	5.5	2"	2	4	260-480	200-900	480-650
4SQJ30/7.5-A/D	30m³/h-80m-530V-5500W	33	7.5	2"	2	5.5	260-480	200-900	480-650
4SQJ30/10-A/D	30m³/h-90m-530V-7500W	34	10	2"	2	7.5	260-480	200-900	480-650
4SQJ30/12.5-A/D	30m³/h-118m-530V-9200W	35	12.5	2"	2	9.2	260-480	200-900	480-650
4SQJ30/15-A/D	30m³/h-135m-530V-11000W	36	15	2"	2	11	260-480	200-900	480-650
4SQJ41/4-H-A/D	41m³/h-52m-530V-3000W	37	4	3"	2	3	260-480	200-900	480-650

3SSC DC SERIES SUBMERSIBLE BOREHOLE PUMP *With stainless steel impeller*



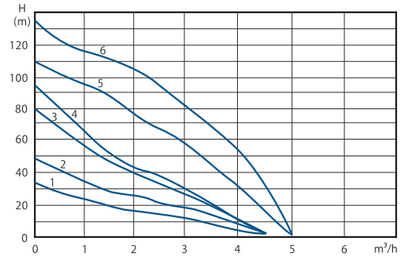


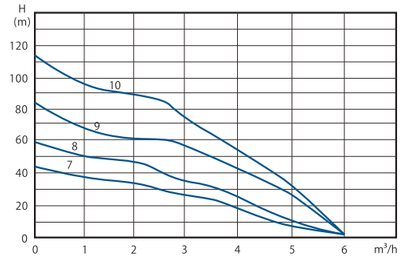
Standard DC controller
(24-280V)



Economical DC controller
(24-110V)

CHARACTERISTIC CURVES





PERFORMANCE DATA

PUMP						CONTROLLER		
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	VOC range (V)	MPPT voltage range (V)
3SSC4.5/0.4 (IN)	4.5m³/h-35m-24V-300W	1	0.4	1¼"	2	0.3	18-60	30-48
3SSC4.5/0.55 (IN)	4.5m³/h-50m-48V-400W	2	0.55	1¼"	2	0.4	30-110	60-90
3SSC4.5/0.8 (IN)	4.5m³/h-80m-48V-600W	3	0.8	1¼"	2	0.6	30-110	60-90
3SSC4.5/1 (IN)	4.5m³/h-95m-48V-750W	4	1	1¼"	2	0.75	30-110	60-90
3SSC4.5/1-H (IN)	4.5m³/h-95m-72V-750W	4	1	1¼"	2	0.75	50-170	90-120
3SSC5/1.5 (IN)	5m³/h-110m-110V-1100W	5	1.5	1¼"	2	1.1	60-220	96-150
3SSC5/2 (IN)	5m³/h-135m-110V-1500W	6	2	1¼"	2	1.5	60-220	96-150
3SSC5/2-H (IN)	5m³/h-135m-180V-1500W	6	2	1¼"	2	1.5	80-490	180-350
3SSC6/0.8 (IN)	6m³/h-44m-48V-600W	7	0.8	1¼"	2	0.6	30-110	60-90
3SSC6/1 (IN)	6m³/h-60m-48V-750W	8	1	1¼"	2	0.75	30-110	60-90
3SSC6/1-H (IN)	6m³/h-60m-72V-750W	8	1	1¼"	2	0.75	50-170	90-120
3SSC6/1.5 (IN)	6m³/h-85m-110V-1100W	9	1.5	1¼"	2	1.1	60-220	96-150
3SSC6/2 (IN)	6m³/h-115m-110V-1500W	10	2	1¼"	2	1.5	60-220	96-150
3SSC6/2-H (IN)	6m³/h-115m-180V-1500W	10	2	1¼"	2	1.5	80-490	180-350

3SSC AC/DC SERIES SUBMERSIBLE BOREHOLE PUMP *With stainless steel impeller*



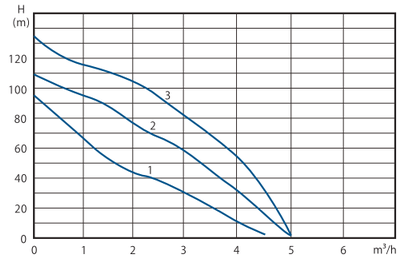


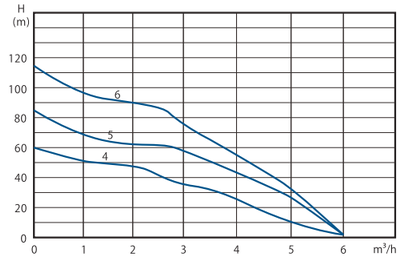
AC/DC AUTOMATIC controller
(96-280V)



AC/DC HYBRID controller
(96-280V)

CHARACTERISTIC CURVES





PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
3SSC4.5/1-A/D (IN)	4.5m³/h-95m-96V-750W	1	1	1¼"	2	0.75	90-240	80-430	96-350
3SSC5/1.5-A/D (IN)	5m³/h-110m-150V-1100W	2	1.5	1¼"	2	1.1	90-240	80-430	150-350
3SSC5/2-A/D (IN)	5m³/h-135m-180V-1500W	3	2	1¼"	2	1.5	90-240	80-430	180-350
3SSC6/1-A/D (IN)	6m³/h-60m-96V-750W	4	2	1¼"	2	0.75	90-240	80-430	96-350
3SSC6/1.5-A/D (IN)	6m³/h-85m-150V-1100W	5	1.5	1¼"	2	1.1	90-240	80-430	150-350
3SSC6/2-A/D (IN)	6m³/h-115m-180V-1500W	6	2	1¼"	2	1.5	90-240	80-430	180-350

4SSC DC SERIES SUBMERSIBLE BOREHOLE PUMP *With stainless steel impeller*



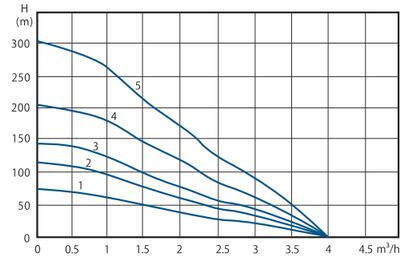


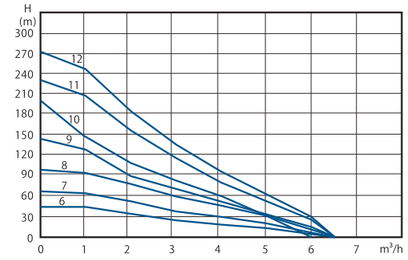
Standard DC controller
(24-280V)

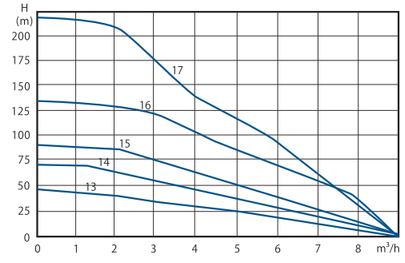


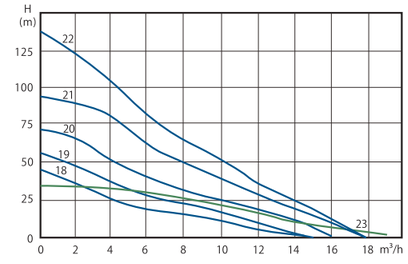
Economical DC controller
(24-110V)

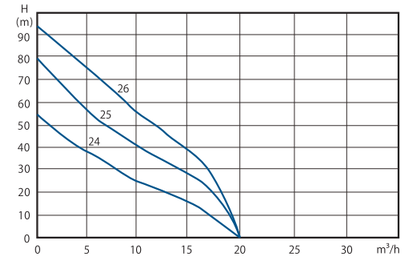
CHARACTERISTIC CURVES

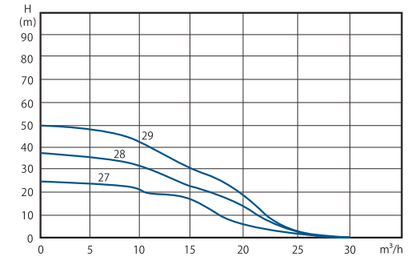












4SSC DC SERIES SUBMERSIBLE BOREHOLE PUMP *With stainless steel impeller*

PERFORMANCE DATA

PUMP						CONTROLLER		
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	VOC range (V)	MPPT voltage range (V)
4SSC4/0.8 (IN)	4m³/h-75m-48V-600W	1	0.8	1¼"	2	0.6	30-110	60-90
4SSC4/1 (IN)	4m³/h-115m-48V-750W	2	1	1¼"	2	0.75	30-110	60-90
4SSC4/1-H (IN)	4m³/h-115m-72V-750W	2	1	1¼"	2	0.75	50-170	90-120
4SSC4/1.5 (IN)	4m³/h-145m-110V-1100W	3	1.5	1¼"	2	1.1	60-220	96-150
4SSC4/2 (IN)	4m³/h-205m-110V-1500W	4	2	1¼"	2	1.5	60-220	96-150
4SSC4/2-H (IN)	4m³/h-205m-180V-1500W	4	2	1¼"	2	1.5	80-490	180-350
4SSC4/3 (IN)	4m³/h-303m-220V-2200W	5	3	1¼"	2	2.2	80-490	220-350
4SSC6.5/0.67 (IN)	6.5m³/h-45m-48V-500W	6	0.67	1¼"	2	0.5	30-110	60-90
4SSC6.5/1 (IN)	6.5m³/h-67m-48V-750W	7	1	1¼"	2	0.75	30-110	60-90
4SSC6.5/1-H (IN)	6.5m³/h-67m-72V-750W	7	1	1¼"	2	0.75	50-170	90-120
4SSC6.5/1.5 (IN)	6.5m³/h-101m-110V-1100W	8	1.5	1¼"	2	1.1	60-220	96-150
4SSC6.5/1.75 (IN)	6.5m³/h-146m-110V-1300W	9	1.75	1¼"	2	1.3	60-220	96-150
4SSC6/2 (IN)	6m³/h-203m-110V-1500W	10	2	1¼"	2	1.5	60-220	96-150
4SSC6/2-H (IN)	6m³/h-203m-180V-1500W	10	2	1¼"	2	1.5	80-490	180-350
4SSC6.5/3 (IN)	6.5m³/h-255m-220V-2200W	11	3	1¼"	2	2.2	80-490	220-350
4SSC6.5/4	6.5m³/h-300m-280V-3000W	12	4	1¼"	2	3	80-490	280-350
4SSC9/1 (IN)	9m³/h-48m-48V-750W	13	1	1½"or2"	2	0.75	30-110	60-90
4SSC9/1-H (IN)	9m³/h-48m-72V-750W	13	1	1½"or2"	2	0.75	50-170	90-120
4SSC9/1.5 (IN)	9m³/h-70m-110V-1100W	14	1.5	1½"or2"	2	1.1	60-220	96-150
4SSC9/2 (IN)	9m³/h-90m-110V-1500W	15	2	1½"or2"	2	1.5	60-220	96-150
4SSC9/2-H (IN)	9m³/h-90m-180V-1500W	15	2	1½"or2"	2	1.5	80-490	180-350
4SSC9/3 (IN)	9m³/h-135m-220V-2200W	16	3	1½"or2"	2	2.2	80-490	220-350
4SSC9/4	9m³/h-220m-280V-3000W	17	4	1½"or2"	2	3	80-490	280-350
4SSC14.5/1 (IN)	14.5m³/h-45m-48V-750W	18	1	2"	2	0.75	30-110	60-90
4SSC14.5/1-H (IN)	14.5m³/h-45m-72V-750W	18	1	2"	2	0.75	50-170	90-120
4SSC15/1.5 (IN)	15m³/h-55m-110V-1100W	19	1.5	2"	2	1.1	60-220	96-150
4SSC16/2 (IN)	16m³/h-70m-110V-1500W	20	2	2"	2	1.5	60-220	96-150
4SSC16/2-H (IN)	16m³/h-70m-180V-1500W	20	2	2"	2	1.5	80-490	180-350
4SSC18/3 (IN)	18m³/h-95m-220V-2200W	21	3	2"	2	2.2	80-490	220-350
4SSC18/4	18m³/h-137m-280V-3000W	22	4	2"	2	3	80-490	280-350
4SSC19/1.5 (IN)	19m³/h-35m-110V-1100W	23	1.5	2"	2	1.1	60-220	96-150
4SSC20/2 (IN)	20m³/h-48m-110V-1500W	24	2	2"	2	1.5	60-220	96-150
4SSC20/2-H (IN)	20m³/h-48m-180V-1500W	24	2	2"	2	1.5	80-490	180-350
4SSC20/3 (IN)	20m³/h-70m-220V-2200W	25	3	2"	2	2.2	80-490	220-350
4SSC20/4	20m³/h-82m-280V-3000W	26	4	2"	2	3	80-490	280-350
4SSC25/2 (IN)	25m³/h-25m-110V-1500W	27	2	2"	2	1.5	60-220	96-150
4SSC25/2-H (IN)	25m³/h-25m-180V-1500W	27	2	2"	2	1.5	80-490	180-350
4SSC30/3 (IN)	30m³/h-38m-220V-2200W	28	3	2"	2	2.2	80-490	220-350
4SSC30/4	30m³/h-50m-280V-3000W	29	4	2"	2	3	80-490	280-350

4SSC AC/DC SERIES SUBMERSIBLE BOREHOLE PUMP *With stainless steel impeller*



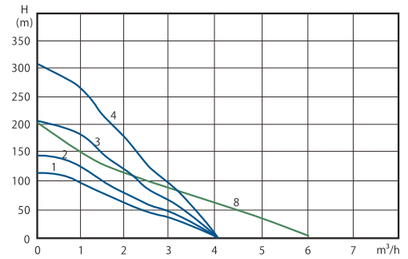


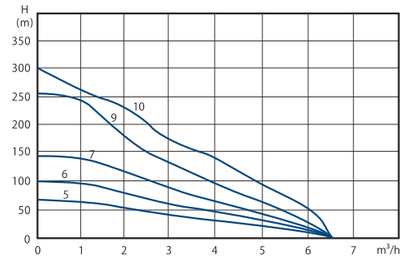
AC/DC AUTOMATIC controller
(96-280V)

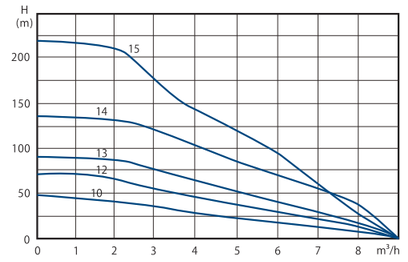


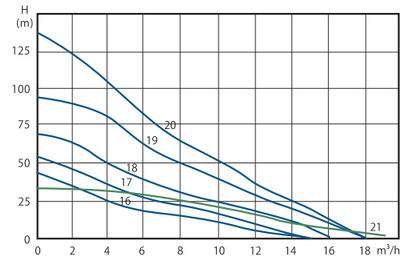
AC/DC HYBRID controller
(96-280V)

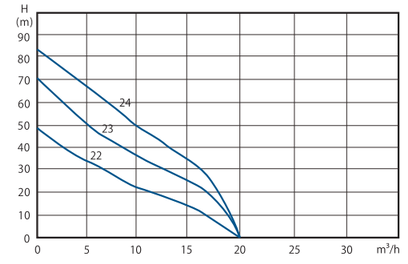
CHARACTERISTIC CURVES

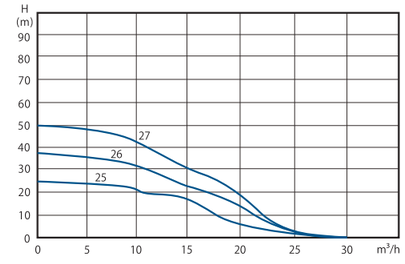












4SSC AC/DC SERIES SUBMERSIBLE BOREHOLE PUMP *With stainless steel impeller*

PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
4SSC4/1-A/D (IN)	4m³/h-115m-96V-750W	1	1	1¼"	2	0.75	90-240	80-430	96-350
4SSC4/1.5-A/D (IN)	4m³/h-145m-150V-1100W	2	1.5	1¼"	2	1.1	90-240	80-430	150-350
4SSC4/2-A/D (IN)	4m³/h-205m-180V-1500W	3	2	1¼"	2	1.5	90-240	80-430	180-350
4SSC4/3-A/D (IN)	4m³/h-303m-220V-2200W	4	3	1¼"	2	2.2	90-240	80-430	220-350
4SSC6.5/1-A/D (IN)	6.5m³/h-67m-96V-750W	5	1	1¼"	2	0.75	90-240	80-430	96-350
4SSC6.5/1.5-A/D (IN)	6.5m³/h-101m-150V-1100W	6	1.5	1¼"	2	1.1	90-240	80-430	150-350
4SSC6.5/1.75-A/D (IN)	6.5m³/h-146m-170V-1300W	7	1.75	1¼"	2	1.3	90-240	80-430	220-350
4SSC6/2-A/D (IN)	6m³/h-203m-180V-1500W	8	2	1¼"	2	1.5	90-240	80-430	180-350
4SSC6.5/3-A/D (IN)	6.5m³/h-255m-220V-2200W	9	3	1¼"	2	2.2	90-240	80-430	220-350
4SSC6.5/4-A/D	6.5m³/h-300m-280V-3000W	10	4	1¼"	2	3	90-240	80-430	280-350
4SSC9/1-A/D (IN)	9m³/h-48m-96V-750W	11	1	2"	2	0.75	90-240	80-430	96-350
4SSC9/1.5-A/D (IN)	9m³/h-70m-150V-1100W	12	1.5	2"	2	1.1	90-240	80-430	150-350
4SSC9/2-A/D (IN)	9m³/h-90m-180V-1500W	13	2	2"	2	1.5	90-240	80-430	180-350
4SSC9/3-A/D (IN)	9m³/h-135m-220V-2200W	14	3	2"	2	2.2	90-240	80-430	220-350
4SSC9/4-A/D	9m³/h-220m-280V-3000W	15	4	2"	2	3	90-240	80-430	280-350
4SSC14.5/1-A/D (IN)	14.5m³/h-45m-96V-750W	16	1	2"	2	0.75	90-240	80-430	96-350
4SSC15/1.5-A/D (IN)	15m³/h-55m-150V-1100W	17	1.5	2"	2	1.1	90-240	80-430	150-350
4SSC16/2-A/D (IN)	16m³/h-70m-180V-1500W	18	2	2"	2	1.5	90-240	80-430	180-350
4SSC18/3-A/D (IN)	18m³/h-95m-220V-2200W	19	3	2"	2	2.2	90-240	80-430	220-350
4SSC18/4-A/D	18m³/h-137m-280V-3000W	20	4	2"	2	3	90-240	80-430	280-350
4SSC19/1.5-A/D (IN)	19m³/h-35m-150V-1100W	21	1.5	2"	2	1.1	90-240	80-430	150-350
4SSC20/2-A/D (IN)	20m³/h-48m-180V-1500W	22	2	2"	2	1.5	90-240	80-430	180-350
4SSC20/3-A/D (IN)	20m³/h-70m-220V-2200W	23	3	2"	2	2.2	90-240	80-430	220-350
4SSC20/4-A/D	20m³/h-82m-280V-3000W	24	4	2"	2	3	90-240	80-430	280-350
4SSC25/2-A/D (IN)	25m³/h-25m-180V-1500W	25	2	3"	2	1.5	90-240	80-430	180-350
4SSC30/3-A/D (IN)	30m³/h-38m-220V-2200W	26	3	2"	2	2.2	90-240	80-430	220-350
4SSC30/4-A/D	30m³/h-50m-280V-3000W	27	4	2"	2	3	90-240	80-430	280-350

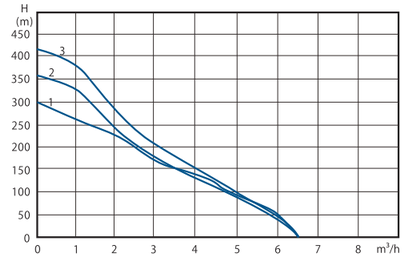
4SSC AC/DC SERIES SUBMERSIBLE BOREHOLE PUMP *With stainless steel impeller*

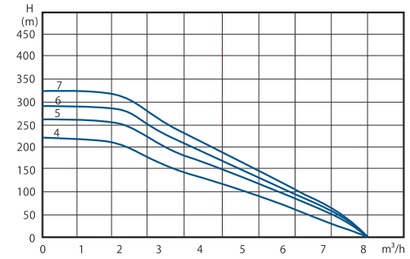


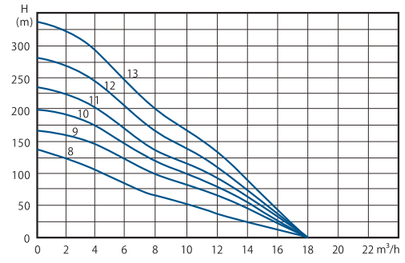


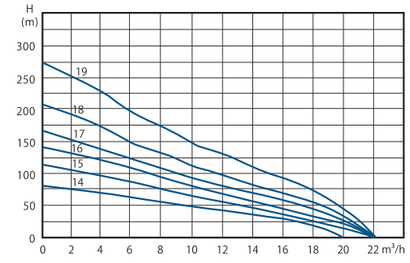
AC/DC AUTOMATIC controller
(300-530V)

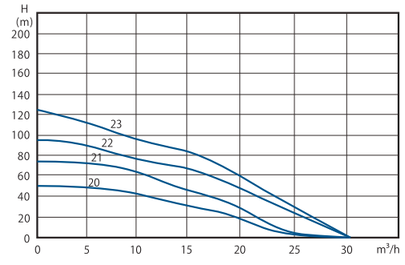
CHARACTERISTIC CURVES

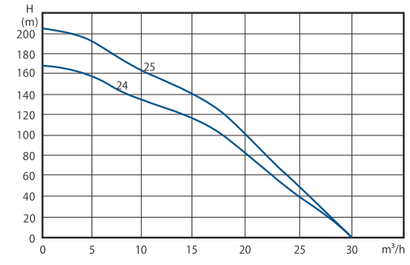












4SSC AC/DC SERIES SUBMERSIBLE BOREHOLE PUMP *With stainless steel impeller*

PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
4SSC6.5/4-H-A/D	6.5m³/h-300m-530V-3000W	1	4	1¼"	2	3	260-480	200-900	480-650
4SSC6.5/5.5-A/D	6.5m³/h-360m-300V-4000W	2	5.5	1¼"	2	4	90-240	80-490	300-360
4SSC6.5/5.5-H-A/D	6.5m³/h-360m-530V-4000W	2	5.5	1¼"	2	4	260-480	200-900	480-650
4SSC6.5/7.5-A/D	6.5m³/h-420m-530V-5500W	3	7.5	1¼"	2	5.5	260-480	200-900	480-650
4SSC9/4-H-A/D	9m³/h-220m-530V-3000W	4	4	2"	2	3	260-480	200-900	480-650
4SSC9/5.5-A/D	9m³/h-260m-300V-4000W	5	5.5	2"	2	4	90-240	80-490	300-360
4SSC9/5.5-H-A/D	9m³/h-260m-530V-4000W	5	5.5	2"	2	4	260-480	200-900	480-650
4SSC9/7.5-A/D	9m³/h-295m-530V-5500W	6	7.5	2"	2	5.5	260-480	200-900	480-650
4SSC9/10-A/D	9m³/h-325m-530V-7500W	7	10	2"	2	7.5	260-480	200-900	480-650
4SSC18/4-H-A/D	18m³/h-137m-530V-3000W	8	4	2"	2	3	260-480	200-900	480-650
4SSC18/5.5-A/D	18m³/h-168m-300V-4000W	9	5.5	2"	2	4	90-240	80-490	300-360
4SSC18/5.5-H-A/D	18m³/h-168m-530V-4000W	9	5.5	2"	2	4	260-480	200-900	480-650
4SSC18/7.5-A/D	18m³/h-200m-530V-5500W	10	7.5	2"	2	5.5	260-480	200-900	480-650
4SSC18/10-A/D	18m³/h-235m-530V-7500W	11	10	2"	2	7.5	260-480	200-900	480-650
4SSC18/12.5-A/D	18m³/h-280m-530V-9200W	12	12.5	2"	2	9.2	260-480	200-900	480-650
4SSC18/15-A/D	18m³/h-335m-530V-11000W	13	15	2"	2	11	260-480	200-900	480-650
4SSC20/4-H-A/D	20m³/h-82m-530V-3000W	13	4	2"	2	3	260-480	200-900	480-650
4SSC22/5.5-A/D	22m³/h-115m-300V-4000W	14	5.5	2"	2	4	90-240	80-490	300-360
4SSC22/5.5-H-A/D	22m³/h-115m-530V-4000W	14	5.5	2"	2	4	260-480	200-900	480-650
4SSC22/7.5-A/D	22m³/h-143m-530V-5500W	15	7.5	2"	2	5.5	260-480	200-900	480-650
4SSC22/10-A/D	22m³/h-169m-530V-7500W	16	10	2"	2	7.5	260-480	200-900	480-650
4SSC22/12.5-A/D	22m³/h-208m-530V-9200W	17	12.5	2"	2	9.2	260-480	200-900	480-650
4SSC22/15-A/D	22m³/h-273m-530V-11000W	18	15	2"	2	11	260-480	200-900	480-650
4SSC30/4-H-A/D	30m³/h-50m-530V-3000W	19	4	2"	2	3	260-480	200-900	480-650
4SSC30/5.5-A/D	30m³/h-75m-300V-4000W	20	5.5	2"	2	4	90-240	80-490	300-360
4SSC30/5.5-H-A/D	30m³/h-75m-530V-4000W	20	5.5	2"	2	4	260-480	200-900	480-650
4SSC30/7.5-A/D	30m³/h-96m-530V-5500W	21	7.5	2"	2	5.5	260-480	200-900	480-650
4SSC30/10-A/D	30m³/h-125m-530V-7500W	22	10	2"	2	7.5	260-480	200-900	480-650
4SSC30/12.5-A/D	30m³/h-168m-530V-9200W	23	12.5	2"	2	9.2	260-480	200-900	480-650
4SSC30/15-A/D	30m³/h-204m-530V-11000W	24	15	2"	2	11	260-480	200-900	480-650

4/6SSC DC SERIES SUBMERSIBLE BOREHOLE PUMP *With stainless steel impeller*



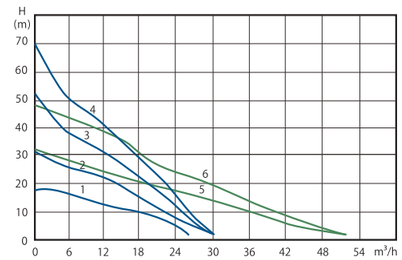


Standard DC controller
(24-280V)



Economical DC controller
(24-110V)

CHARACTERISTIC CURVES



PERFORMANCE DATA

PUMP						CONTROLLER		
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	VOC range (V)	MPPT voltage range (V)
4/6SSC26/1.5 (IN)	26m³/h-18m-110V-1100W	1	1.5	3"	2	1.1	60-220	96-150
4/6SSC30/2 (IN)	30m³/h-31m-110V-1500W	2	2	3"	2	1.5	60-220	96-150
4/6SSC30/2-H (IN)	30m³/h-31m-180V-1500W	2	2	3"	2	1.5	80-490	180-350
4/6SSC30/3 (IN)	30m³/h-52m-220V-2200W	3	3	3"	2	2.2	80-490	220-350
4/6SSC30/4	30m³/h-70m-280V-3000W	4	4	3"	2	3	80-490	280-350
4/6SSC52/3 (IN)	52m³/h-32m-220V-2200W	5	3	3"	2	2.2	80-490	220-350
4/6SSC52/4	52m³/h-48m-280V-3000W	6	4	3"	2	3	80-490	280-350

4/6SSC AC/DC SERIES SUBMERSIBLE BOREHOLE PUMP *With stainless steel impeller*





AC/DC AUTOMATIC controller
(96-280V)

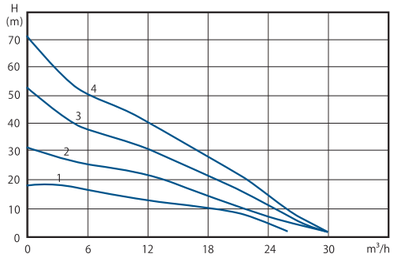


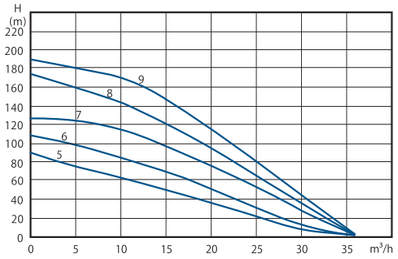
AC/DC HYBRID controller
(96-280V)

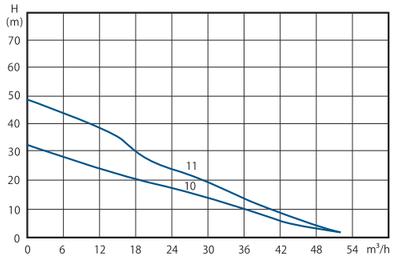


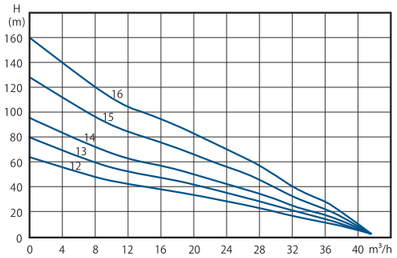
AC/DC AUTOMATIC controller
(300-530V)

CHARACTERISTIC CURVES



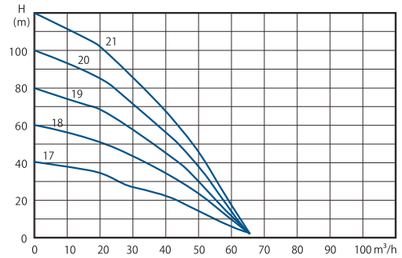


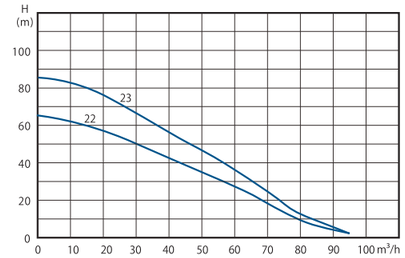




4/6SSC AC/DC SERIES SUBMERSIBLE BOREHOLE PUMP *With stainless steel impeller*

CHARACTERISTIC CURVES





PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
4/6SSC26/1.5-A/D	26m³/h-18m-150V-1100W	1	1.5	3"	2	1.1	90-240	80-430	150-350
4/6SSC30/2-A/D	30m³/h-31m-180V-1500W	2	2	3"	2	1.5	90-240	80-430	180-350
4/6SSC30/3-A/D	30m³/h-52m-220V-2200W	3	3	3"	2	2.2	90-240	80-430	220-350
4/6SSC30/4-A/D	30m³/h-70m-280V-3000W	4	4	3"	2	3	90-240	80-430	280-350
4/6SSC30/4-H-A/D	30m³/h-70m-530V-3000W	4	4	3"	2	3	260-480	200-900	480-650
4/6SSC36/5.5-A/D	36m³/h-88m-300V-4000W	5	5.5	3"	2	4	90-240	80-490	300-360
4/6SSC36/5.5-H-A/D	36m³/h-88m-530V-4000W	5	5.5	3"	2	4	260-480	200-900	480-650
4/6SSC36/7.5-A/D	36m³/h-105m-530V-5500W	6	7.5	3"	2	5.5	260-480	200-900	480-650
4/6SSC36/10-A/D	36m³/h-122m-530V-7500W	7	10	3"	2	7.5	260-480	200-900	480-650
4/6SSC36/12.5-A/D	36m³/h-175m-530V-9200W	8	12.5	3"	2	9.2	260-480	200-900	480-650
4/6SSC36/15-A/D	36m³/h-190m-530V-11000W	9	15	3"	2	11	260-480	200-900	480-650
4/6SSC52/3-A/D	52m³/h-32m-220V-2200W	10	3	3"	2	2.2	90-240	80-430	220-350
4/6SSC52/4-A/D	52m³/h-48m-280V-3000W	11	4	3"	2	3	90-240	80-430	280-350
4/6SSC52/4-H-A/D	52m³/h-48m-530V-3000W	11	4	3"	2	3	260-480	200-900	480-650
4/6SSC52/5.5-A/D	52m³/h-64m-300V-4000W	12	5.5	3"	2	4	90-240	80-490	300-360
4/6SSC52/5.5-H-A/D	52m³/h-64m-530V-4000W	12	5.5	3"	2	4	260-480	200-900	480-650
4/6SSC52/7.5-A/D	52m³/h-80m-530V-5500W	13	7.5	3"	2	5.5	260-480	200-900	480-650
4/6SSC52/10-A/D	52m³/h-96m-530V-7500W	14	10	3"	2	7.5	260-480	200-900	480-650
4/6SSC52/12.5-A/D	52m³/h-128m-530V-9200W	15	12.5	3"	2	9.2	260-480	200-900	480-650
4/6SSC52/15-A/D	52m³/h-160m-530V-11000W	16	15	3"	2	11	260-480	200-900	480-650
4/6SSC65/5.5-A/D	65m³/h-40m-300V-4000W	17	5.5	3"	2	4	90-240	80-490	300-360
4/6SSC65/5.5-H-A/D	65m³/h-40m-530V-4000W	17	5.5	3"	2	4	260-480	200-900	480-650
4/6SSC65/7.5-A/D	65m³/h-60m-530V-5500W	18	7.5	3"	2	5.5	260-480	200-900	480-650
4/6SSC65/10-A/D	65m³/h-80m-530V-7500W	19	10	3"	2	7.5	260-480	200-900	480-650
4/6SSC65/12.5-A/D	65m³/h-100m-530V-9200W	20	12.5	3"	2	9.2	260-480	200-900	480-650
4/6SSC65/15-A/D	65m³/h-120m-530V-11000W	21	15	3"	2	11	260-480	200-900	480-650
4/6SSC95/10-A/D	95m³/h-65m-530V-7500W	22	10	4"	2	7.5	260-480	200-900	480-650
4/6SSC95/15-A/D	95m³/h-85m-530V-11000W	23	15	4"	2	11	260-480	200-900	480-650

6SSC AC/DC SERIES SUBMERSIBLE BOREHOLE PUMP *With stainless steel impeller*



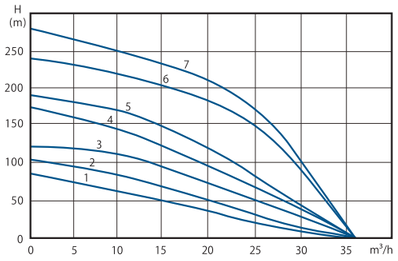


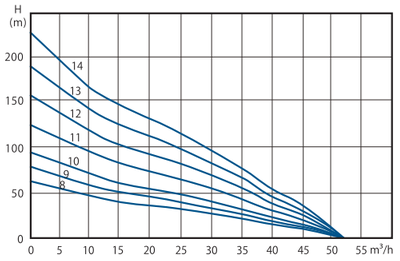
AC/DC AUTOMATIC controller
(300-530V)

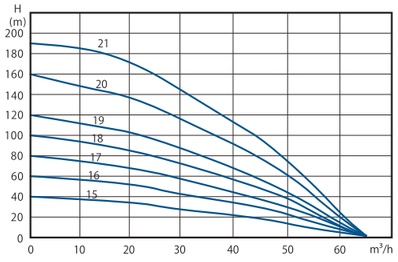


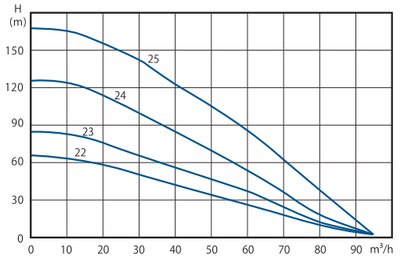
AC/DC MANUAL controller
(530V,15-22kW)

CHARACTERISTIC CURVES



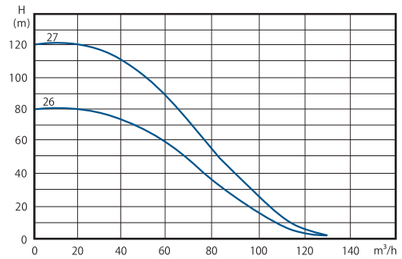






6SSC AC/DC SERIES SUBMERSIBLE BOREHOLE PUMP *With stainless steel impeller*

CHARACTERISTIC CURVES



PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
6SSC36/5.5-A/D	36m³/h-88m-300V-4000W	1	5.5	3"	2	4	90-240	80-490	300-360
6SSC36/5.5-H-A/D	36m³/h-88m-530V-4000W	1	5.5	3"	2	4	260-480	200-900	480-650
6SSC36/7.5-A/D	36m³/h-105m-530V-5500W	2	7.5	3"	2	5.5	260-480	200-900	480-650
6SSC36/10-A/D	36m³/h-122m-530V-7500W	3	10	3"	2	7.5	260-480	200-900	480-650
6SSC36/12.5-A/D	36m³/h-175m-530V-9200W	4	12.5	3"	2	9.2	260-480	200-900	480-650
6SSC36/15-A/D	36m³/h-190m-530V-11000W	5	15	3"	2	11	260-480	200-900	480-650
6SSC36/20-A/D	36m³/h-240m-530V-15000W	6	20	3"	2	15	260-480	200-900	480-650
6SSC36/30-A/D	36m³/h-280m-530V-22000W	7	30	3"	2	22	260-480	200-900	480-650
6SSC52/5.5-A/D	52m³/h-64m-300V-4000W	8	5.5	3"	2	4	90-240	80-490	300-360
6SSC52/5.5-H-A/D	52m³/h-64m-530V-4000W	8	5.5	3"	2	4	260-480	200-900	480-650
6SSC52/7.5-A/D	52m³/h-80m-530V-5500W	9	7.5	3"	2	5.5	260-480	200-900	480-650
6SSC52/10-A/D	52m³/h-96m-530V-7500W	10	10	3"	2	7.5	260-480	200-900	480-650
6SSC52/12.5-A/D	52m³/h-128m-530V-9200W	11	12.5	3"	2	9.2	260-480	200-900	480-650
6SSC52/15-A/D	52m³/h-160m-530V-11000W	12	15	3"	2	11	260-480	200-900	480-650
6SSC52/20-A/D	52m³/h-192m-530V-15000W	13	20	3"	2	15	260-480	200-900	480-650
6SSC52/30-A/D	52m³/h-230m-530V-22000W	14	30	3"	2	22	260-480	200-900	480-650
6SSC65/5.5-A/D	65m³/h-40m-300V-4000W	15	5.5	3"	2	4	90-240	80-490	300-360
6SSC65/5.5-H-A/D	65m³/h-40m-530V-4000W	15	5.5	3"	2	4	260-480	200-900	480-650
6SSC65/7.5-A/D	65m³/h-60m-530V-5500W	16	7.5	3"	2	5.5	260-480	200-900	480-650
6SSC65/10-A/D	65m³/h-80m-530V-7500W	17	10	3"	2	7.5	260-480	200-900	480-650
6SSC65/12.5-A/D	65m³/h-100m-530V-9200W	18	12.5	3"	2	9.2	260-480	200-900	480-650
6SSC65/15-A/D	65m³/h-120m-530V-11000W	19	15	3"	2	11	260-480	200-900	480-650
6SSC65/20-A/D	65m³/h-160m-530V-15000W	20	20	3"	2	15	260-480	200-900	480-650
6SSC65/30-A/D	65m³/h-190m-530V-22000W	21	30	3"	2	22	260-480	200-900	480-650
6SSC95/10-A/D	95m³/h-65m-530V-7500W	22	10	4"	2	7.5	260-480	200-900	480-650
6SSC95/15-A/D	95m³/h-85m-530V-11000W	23	15	4"	2	11	260-480	200-900	480-650
6SSC95/20-A/D	95m³/h-125m-530V-15000W	24	20	4"	2	15	260-480	200-900	480-650
6SSC95/30-A/D	95m³/h-166m-530V-22000W	25	30	4"	2	22	260-480	200-900	480-650
6SSC130/20-A/D	130m³/h-80m-530V-15000W	26	20	4"	2	15	260-480	200-900	480-650
6SSC130/30-A/D	130m³/h-120m-530V-22000W	27	30	4"	2	22	260-480	200-900	480-650

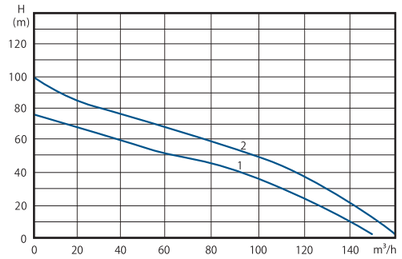
8SSC AC/DC SERIES SUBMERSIBLE BOREHOLE PUMP *With stainless steel impeller*





AC/DC MANUAL controller
(530V,15-22kW)

CHARACTERISTIC CURVES



PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
6/8SSC150/20-A/D	150m³/h-77m-530V-15000W	1	20	5"	2	15	260-480	200-900	480-650
6/8SSC160/30-A/D	160m³/h-100m-530V-22000W	2	30	5"	2	22	260-480	200-900	480-650
8SSC150/20-A/D	150m³/h-77m-530V-15000W	1	20	5"	2	15	260-480	200-900	480-650
8SSC160/30-A/D	160m³/h-100m-530V-22000W	2	30	5"	2	22	260-480	200-900	480-650

SQD SERIES SOLAR SUBMERSIBLE PUMP



A type



B type



Standard DC controller (24-280V)

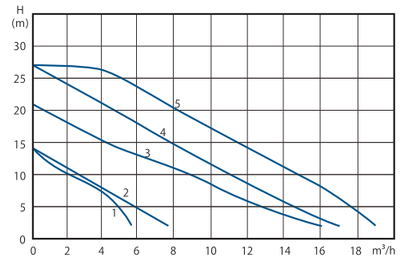


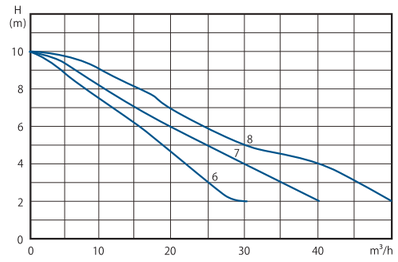
Economical DC controller (24-110V)



AC/DC AUTOMATIC controller (96-280V)

CHARACTERISTIC CURVES





PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
SQD5.5/0.4 (IN)	5.5m³/h-14m-24V-300W	1	0.4	1"	5	0.3	/	18-60	30-48
SQD7.5/0.4 (IN)	7.5m³/h-14m-24V-300W	2	0.4	1½"	5	0.3	/	18-60	30-48
SQD16/0.8 (IN)	16m³/h-21m-48V-600W	3	0.8	2"	5	0.6	/	30-110	60-90
SQD17/1 (IN)	17m³/h-27m-72V-750W	4	1	2"	5	0.75	/	50-170	90-120
SQD19/1.5 (IN)	19m³/h-27m-110V-1100W	5	1.5	2"	5	1.1	/	60-220	96-150
SQD30/1 (IN)	30m³/h-10m-72V-750W	6	1	3"	5	0.75	/	50-170	90-120
SQD40/1.5 (IN)	40m³/h-10m-110V-1100W	7	1.5	3"	5	1.1	/	60-220	96-150
SQD50/2 (IN)	50m³/h-10m-110V-1500W	8	2	3"	5	1.5	/	60-220	96-150
SQD50/2-H	50m³/h-10m-180V-1500W	8	2	3"	5	1.5	/	80-490	180-350
SQD17/1-A/D	17m³/h-27m-96V-750W	4	1	2"	5	0.75	90-240	80-430	96-350
SQD19/1.5-A/D	19m³/h-27m-150V-1100W	5	1.5	2"	5	1.1	90-240	80-430	150-350
SQD30/1-A/D	30m³/h-10m-96V-750W	6	1	3"	5	0.75	90-240	80-430	96-350
SQD40/1.5-A/D	40m³/h-10m-150V-1100W	7	1.5	3"	5	1.1	90-240	80-430	150-350
SQD50/2-A/D	50m³/h-10m-180V-1500W	8	2	3"	5	1.5	90-240	80-430	180-350

SQD SERIES SOLAR SUBMERSIBLE PUMP





Standard DC controller (24-280V)

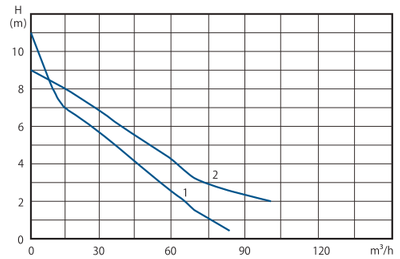


Economical DC controller (24-110V)



AC/DC AUTOMATIC controller (96-280V)

CHARACTERISTIC CURVES



PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
SQD83/1.75 (IN)	83m³/h-11m-110V-1300W	1	1.75	4"	5	1.3	/	60-220	96-150
SQD100/2 (IN)	100m³/h-9m-110V-1500W	2	2	5"or6"	5	1.5	/	60-220	96-150
SQD100/2-H	100m³/h-9m-180V-1500W	2	2	5"or6"	5	1.5	/	80-490	180-350
SQD100/2-A/D	100m³/h-9m-180V-1500W	2	2	5"or6"	5	1.5	90-240	80-430	180-350

SQY SERIES SOLAR SUBMERSIBLE PUMP





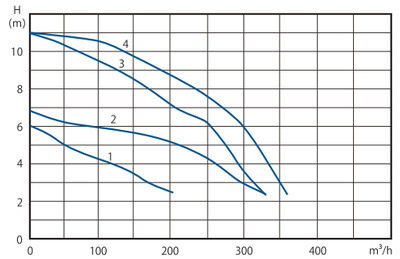


AC/DC AUTOMATIC controller (96-280V)



AC/DC AUTOMATIC controller (300-530V)

CHARACTERISTIC CURVES



PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
SQY200/3-A/D	200m³/h-6m-220V-2200W	1	3	6"	2	2.2	90-240	80-430	220-350
SQY340/7.5-A/D	340m³/h-7m-530V-5500W	2	7.5	6"or8"	2	5.5	260-480	200-900	480-650
SQY340/10-A/D	340m³/h-11m-530V-7500W	3	10	6"or8"	2	7.5	260-480	200-900	480-650
SQY360/15-A/D	360m³/h-11m-530V-11000W	4	15	6"or8"	2	11	260-480	200-900	480-650

SHFM SERIES SOLAR CENTRIFUGAL PUMP







Standard DC controller (24-280V)

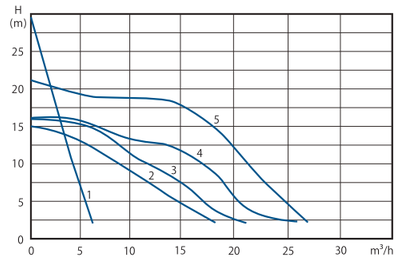


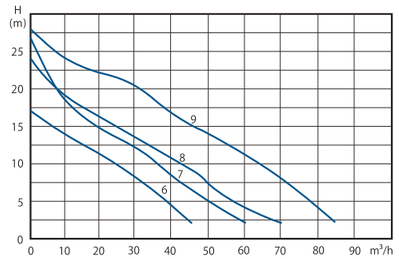
Economical DC controller (24-110V)



AC/DC AUTOMATIC controller (96-280V)

CHARACTERISTIC CURVES





PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Connection (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
SHFM6/0.75 (IN)	6m³/h-30m-48V-550W	1	0.75	1" x1"	2	0.55	/	30-110	60-90
SHFM18/0.75 (IN)	18m³/h-15m-48V-550W	2	0.75	2" x 2"	2	0.55	/	30-110	60-90
SHFM21/1 (IN)	21m³/h-16m-72V-750W	3	1	2" x 2"	2	0.75	/	50-170	90-120
SHFM26/1.5 (IN)	26m³/h-16m-110V-1100W	4	1.5	2" x 2"	2	1.1	/	60-220	96-150
SHFM27/2 (IN)	27m³/h-21m-110V-1500W	5	2	2" x 2"	2	1.5	/	60-220	96-150
SHFM27/2-H	27m³/h-21m-180V-1500W	5	2	2" x 2"	2	1.5	/	80-490	180-350
SHFM45/2 (IN)	45m³/h-17m-110V-1500W	6	2	3" x 3"	2	1.5	/	60-220	96-150
SHFM45/2-H	45m³/h-17m-180V-1500W	6	2	3" x 3"	2	1.5	/	80-490	180-350
SHFM60/3	60m³/h-27m-220V-2200W	7	3	3" x 3"	2	2.2	/	80-490	220-350
SHFM70/3	70m³/h-24m-220V-2200W	8	3	4" x 4"	2	2.2	/	80-490	220-350
SHFM85/4	85m³/h-28m-280V-3000W	9	4	5" x 5"	2	3	/	80-490	280-350
SHFM21/1-A/D	21m³/h-16m-96V-750W	3	1	2" x 2"	2	0.75	90-240	80-430	96-350
SHFM26/1.5-A/D	26m³/h-16m-150V-1100W	4	1.5	2" x 2"	2	1.1	90-240	80-430	150-350
SHFM27/2-A/D	27m³/h-21m-180V-1500W	5	2	2" x 2"	2	1.5	90-240	80-430	180-350
SHFM45/2-A/D	45m³/h-17m-180V-1500W	6	2	3" x 3"	2	1.5	90-240	80-430	180-350
SHFM60/3-A/D	60m³/h-27m-220V-2200W	7	3	3" x 3"	2	2.2	90-240	80-430	220-350
SHFM70/3-A/D	70m³/h-24m-220V-2200W	8	3	4" x 4"	2	2.2	90-240	80-430	220-350
SHFM85/4-A/D	85m³/h-28m-280V-3000W	9	4	5" x 5"	2	3	90-240	80-430	280-350

SHFM SERIES SOLAR CENTRIFUGAL PUMP

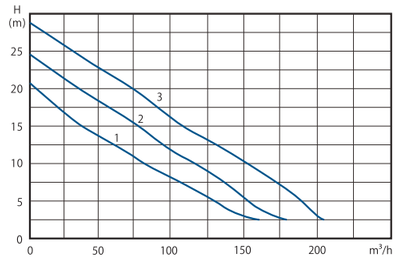






AC/DC AUTOMATIC controller (300-530V)

CHARACTERISTIC CURVES



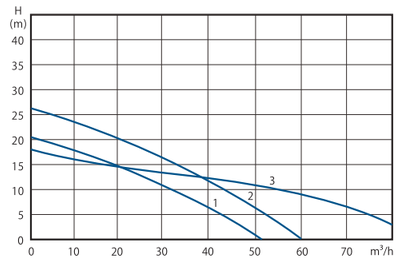
PERFORMANCE DATA

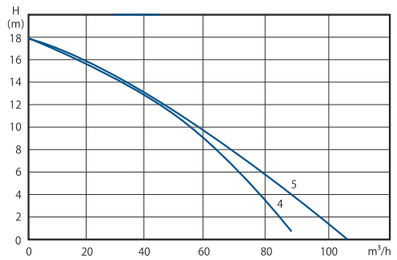
PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Connection (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
SHFM155/5.5-A/D	155m³/h-22m-300V-4000W	1	5.5	6" x 6"	2	4	90-240	80-490	300-360
SHFM155/5.5-H-A/D	155m³/h-22m-530V-4000W	1	5.5	6" x 6"	2	4	260-480	200-900	480-650
SHFM183/7.5-A/D	183m³/h-24m-530V-5500W	2	7.5	6" x 6"	2	5.5	260-480	200-900	480-650
SHFM210/10-A/D	210m³/h-28m-530V-7500W	3	10	6" x 6"	2	7.5	260-480	200-900	480-650

STPN SERIES SOLAR CENTRIFUGAL PUMP



CHARACTERISTIC CURVES





PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Connection (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
STPN50/2	50m³/h-21m-150V-1500W	1	2	3" x 3" flange	2	1.5	/	90-450	150-350
STPN60/3	60m³/h-26m-200V-2200W	2	3	3" x 3" flange	2	2.2	/	90-450	200-350
STPN80/3	80m³/h-15m-200V-2200W	3	3	4" x 4" flange	2	2.2	/	90-450	200-350
STPN85/3.7	85m³/h-17m-240V-2800W	4	3.7	4" x 4" flange	2	2.8	/	90-450	240-350
STPN115/3.7	115m³/h-17m-240V-2800W	5	3.7	5" x 5" flange	2	2.8	/	90-450	240-350
STPN50/2-A/D	50m³/h-21m-150V-1500W	1	2	3" x 3" flange	2	1.5	150-240	90-450	150-350
STPN60/3-A/D	60m³/h-26m-200V-2200W	2	3	3" x 3" flange	2	2.2	150-240	90-450	200-350
STPN80/3-A/D	80m³/h-15m-200V-2200W	3	3	4" x 4" flange	2	2.2	150-240	90-450	200-350
STPN85/3.7-A/D	85m³/h-17m-240V-2800W	4	3.7	4" x 4" flange	2	2.8	150-240	90-450	240-350
STPN115/3.7-A/D	115m³/h-17m-240V-2800W	5	3.7	5" x 5" flange	2	2.8	150-240	90-450	240-350

* The AC/DC MPPT controller is AUTOMATIC

STPN SERIES SOLAR CENTRIFUGAL PUMP

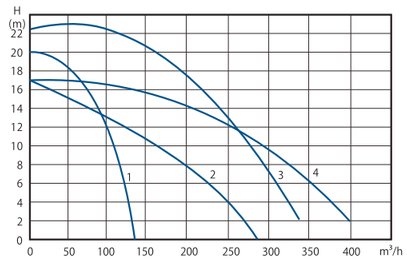


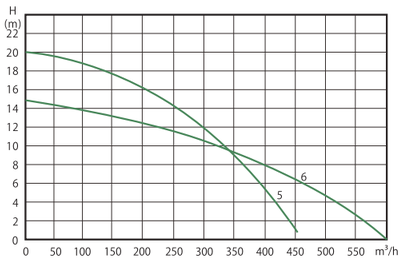
6"/8"



10"

CHARACTERISTIC CURVES





PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Connection (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
STPN135/5.5-A/D	135m³/h-20m-400V-4000W	1	5.5	6" x 6" flange	2	4	230-430	360-780	400-650
STPN280/11-A/D	280m³/h-18m-530V-8000W	2	10.7	6" x 6" flange	2	8	230-430	360-780	530-650
STPN340/20-A/D	340m³/h-26m-530V-15000W	3	20	6" x 6" flange	2	15	230-430	360-780	530-650
STPN400/15-A/D	400m³/h-17m-530V-11000W	4	15	8" x 8" flange	2	11	230-430	360-780	530-650
STPN450/20-A/D	450m³/h-20m-530V-15000W	5	20	8" x 8" flange	2	15	230-430	360-780	530-650
STPN450/20-A/D	600m³/h-15m-530V-15000W	6	20	10" x 10" flange	2	15	230-430	360-780	530-650

* The AC/DC MPPT controller is HYBRID

SWP SERIES SOLAR CENTRIFUGAL PUMP







Standard DC controller (24-280V)

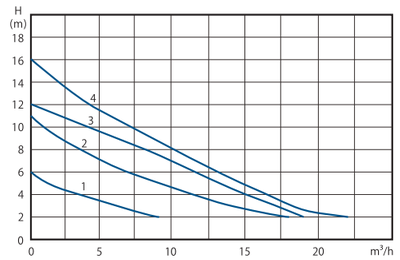


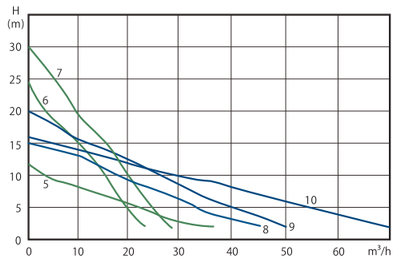
Economical DC controller (24-110V)



AC/DC AUTOMATIC controller (96-280V)

CHARACTERISTIC CURVES

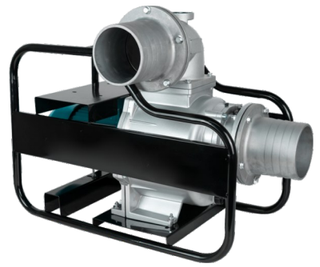




PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Connection (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
SWP9/0.4 (IN)	9m³/h-6m-24V-300W	1	0.4	1½" x 1½"	2	0.3	/	18-60	30-48
SWP18/0.8 (IN)	18m³/h-11m-48V-600W	2	0.8	2" x 2"	2	0.6	/	30-110	60-90
SWP19/1 (IN)	19m³/h-12m-72V-750W	3	1	2" x 2"	2	0.75	/	50-170	90-120
SWP22/1.5 (IN)	22m³/h-16m-110V-1100W	4	1.5	2" x 2"	2	1.1	/	60-220	96-150
SWP23/2 (IN)	23m³/h-25m-110V-1500W	5	2	2" x 2"	2	1.5	/	60-220	96-150
SWP23/2-H	23m³/h-25m-180V-1500W	5	2	2" x 2"	2	1.5	/	80-490	180-350
SWP28/3	28m³/h-30m-220V-2200W	6	3	2" x 2"	2	2.2	/	80-490	220-350
SWP36/1.5 (IN)	36m³/h-12m-110V-1100W	7	1.5	3" x 3"	2	1.1	/	60-220	96-150
SWP45/2 (IN)	45m³/h-15m-110V-1500W	8	2	3" x 3"	2	1.5	/	60-220	96-150
SWP45/2-H	45m³/h-15m-180V-1500W	8	2	3" x 3"	2	1.5	/	80-490	180-350
SWP50/3	50m³/h-20m-220V-2200W	9	3	3" x 3"	2	2.2	/	80-490	220-350
SWP70/3	70m³/h-16m-220V-2200W	10	3	4" x 4"	2	2.2	/	80-490	220-350
SWP19/1-A/D	19m³/h-12m-96V-750W	3	1	2" x 2"	2	0.75	90-240	80-430	96-350
SWP22/1.5-A/D	22m³/h-16m-150V-1100W	4	1.5	2" x 2"	2	1.1	90-240	80-430	150-350
SWP23/2-A/D	23m³/h-25m-180V-1500W	5	2	2" x 2"	2	1.5	90-240	80-430	180-350
SWP28/3-A/D	28m³/h-30m-220V-2200W	6	3	2" x 2"	2	2.2	90-240	80-430	220-350
SWP36/1.5-A/D	36m³/h-12m-150V-1100W	7	1.5	3" x 3"	2	1.1	90-240	80-430	150-350
SWP45/2-A/D	45m³/h-15m-180V-1500W	8	2	3" x 3"	2	1.5	90-240	80-430	180-350
SWP50/3-A/D	50m³/h-20m-220V-2200W	9	3	3" x 3"	2	2.2	90-240	80-430	220-350
SWP70/3-A/D	70m³/h-16m-220V-2200W	10	3	4" x 4"	2	2.2	90-240	80-430	220-350

SWP SERIES SOLAR CENTRIFUGAL PUMP



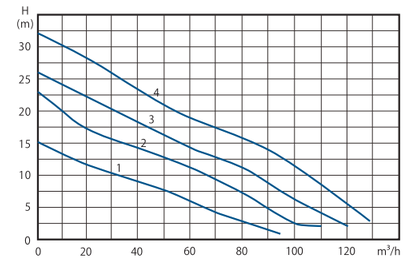


AC/DC AUTOMATIC controller (96-280V)



AC/DC AUTOMATIC controller (300-530V)

CHARACTERISTIC CURVES



PERFORMANCE DATA

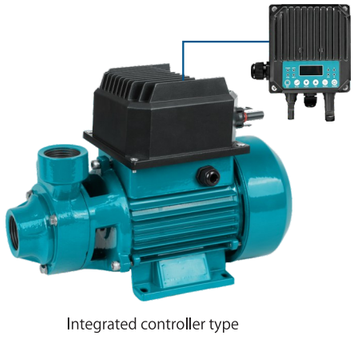
PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Connection (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
SWP95/4-A/D	95m³/h-15m-280V-3000W	1	4	6" x 6"	2	3	90-240	80-430	280-350
SWP95/4-H-A/D	95m³/h-15m-530V-3000W	1	4	6" x 6"	2	3	260-480	200-900	480-650
SWP110/5.5-A/D	110m³/h-23m-300V-4000W	2	5.5	6" x 6"	2	4	90-240	80-490	300-360
SWP110/5.5-HA/D	110m³/h-23m-530V-4000W	2	5.5	6" x 6"	2	4	260-480	200-900	480-650
SWP120/7.5-A/D	120m³/h-26m-530V-5500W	3	7.5	6" x 6"	2	5.5	260-480	200-900	480-650
SWP130/10-A/D	130m³/h-32m-530V-7500W	4	10	6" x 6"	2	7.5	260-480	200-900	480-650

02

SOLAR POWER PUMP FOR HOUSEHOLD WATER SUPPLY AND STORAGE



SQB SERIES SOLAR PERIPHERAL PUMP



Integrated controller type





Standard DC controller (24-280V)

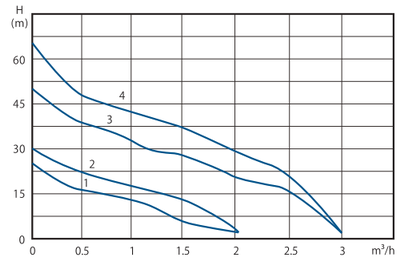


Economical DC controller (24-110V)



AC/DC AUTOMATIC controller (96-280V)

CHARACTERISTIC CURVES



PERFORMANCE DATA

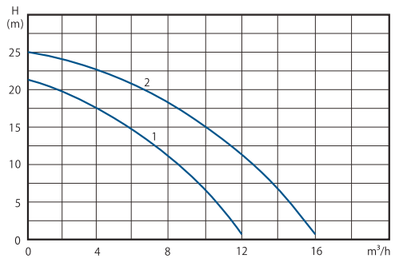
PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Connection (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
SQB2/0.28 (IN)	2m³/h-25m-24V-210W	1	0.28	1" x 1"	2	0.21	/	18-60	30-48
SQB2/0.38 (IN)	2m³/h-30m-24V-280W	2	0.38	1" x 1"	2	0.28	/	18-60	30-48
SQB3/0.75 (IN)	3m³/h-50m-48V-550W	3	0.75	1" x 1"	2	0.55	/	30-110	60-90
SQB3/1 (IN)	3m³/h-65m-48V-750W	4	1	1" x 1"	2	0.75	/	30-110	60-90
SQB3/1-H (IN)	3m³/h-65m-72V-750W	4	1	1" x 1"	2	0.75	/	50-170	90-120
SQB3/1-A/D	3m³/h-65m-96V-750W	4	1	1" x 1"	2	0.75	90-240	80-430	96-350

SZDK SERIES SOLAR SELF-PRIMING PERIPHERAL PUMP





CHARACTERISTIC CURVES



PERFORMANCE DATA

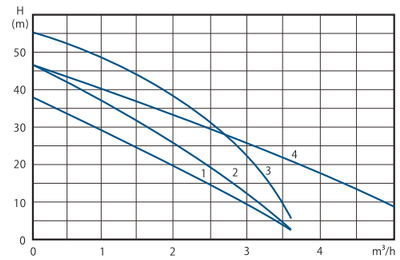
PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Connection (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
SZDK6/1-IN	12m³/h-22m-72V-750W	1	1	1½" x 1½"	2	0.75	/	48-155	72-120
SZDK8/1.2-IN	16m³/h-25m-96V-900W	2	1.2	2" x 2"	2	0.9	/	48-155	96-120
SZDK6/1-A/D-IN	12m³/h-22m-72V-750W	1	1	1½" x 1½"	2	0.75	110-240	48-155	72-120
SZDK8/1.2-A/D-IN	16m³/h-25m-96V-900W	2	1.2	2" x 2"	2	0.9	110-240	48-155	96-120

* The AC/DC MPPT controller is AUTOMATIC

SJET SERIES SOLAR SELF-PRIMING JET PUMP



CHARACTERISTIC CURVES

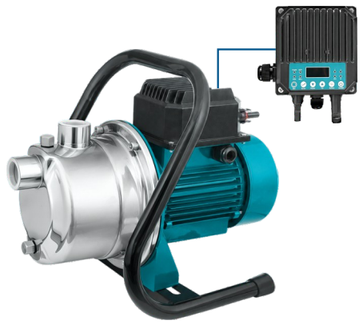


PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Connection (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
SJET1.5/0.55-IN	3m³/h-38m-24V-400W	1	0.55	1" x 1"	2	0.4	/	15-60	30-48
SJET1.5/0.8-IN	3m³/h-46m-60V-600W	2	0.8	1" x 1"	2	0.6	/	24-105	60-90
SJET1.6/1-IN	3.2m³/h-55m-72V-750W	3	1	1" x 1"	2	0.75	/	48-155	72-120
SJET3/1.2-IN	5m³/h-44m-96V-900W	4	1.2	1" x 1"	2	0.9	/	48-155	96-120
SJET1.6/1-A/D-IN	3.2m³/h-55m-72V-750W	3	1	1" x 1"	2	0.75	110-240	48-155	72-120
SJET3/1.2-A/D-IN	5m³/h-44m-96V-900W	4	1.2	1" x 1"	2	0.9	110-240	48-155	96-120

* The AC/DC MPPT controller is AUTOMATIC

SJ SERIES SOLAR SELF-PRIMING JET PUMP





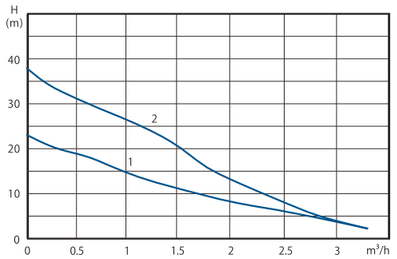


Standard DC controller (24-280V)



Economical DC controller (24-110V)

CHARACTERISTIC CURVES



PERFORMANCE DATA

PUMP						CONTROLLER		
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Connection (inch)	Cable (m)	Power (kW)	VOC range (V)	MPPT voltage range (V)
SJ3.3/0.4 (IN)	3.3m³/h-23m-24V-300W	1	0.4	1" x 1"	2	0.3	18-60	30-48
SJ3.3/0.75 (IN)	3.3m³/h-38m-48V-550W	2	0.75	1" x 1"	2	0.55	30-110	60-90

SSCPM SERIES SOLAR CENTRIFUGAL PUMP







Standard DC controller (24-280V)

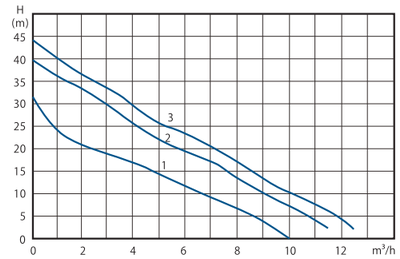


Economical DC controller (24-110V)



AC/DC AUTOMATIC controller (96-280V)

CHARACTERISTIC CURVES

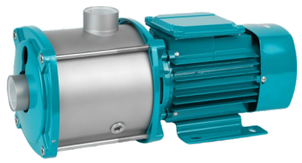


PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Connection (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
SSCPM10/0.75 (IN)	10m³/h-32m-48V-550W	1	0.75	1¼" x 1"	2	0.55	/	30-110	60-90
SSCPM11.5/1 (IN)	11.5m³/h-40m-72V-750W	2	1	1¼" x 1"	2	0.75	/	50-170	90-120
SSCPM12.5/1.2 (IN)	12.5m³/h-44m-72V-900W	3	1.2	1¼" x 1"	2	0.9	/	50-170	90-120
SSCPM11.5/1-A/D	11.5m³/h-40m-96V-750W	2	1	1¼" x 1"	2	0.75	90-240	80-430	96-350
SSCPM12.5/1.2-A/D	12.5m³/h-44m-96V-900W	3	1.2	1¼" x 1"	2	0.9	90-240	80-430	96-350

SMH SERIES SOLAR MULTISTAGE PUMP







Standard DC controller (24-280V)

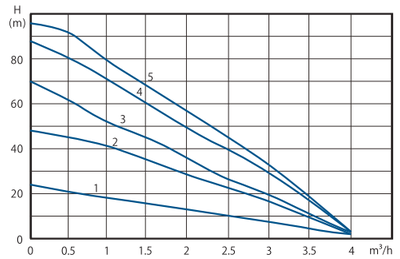


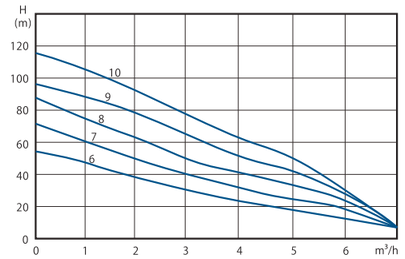
Economical DC controller (24-110V)



AC/DC AUTOMATIC controller (96-280V)

CHARACTERISTIC CURVES





PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Connection (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
SMH4/0.4 (IN)	4m³/h-24m-24V-300W	1	0.4	1" x 1"	2	0.3	/	18-60	30-48
SMH4/0.67 (IN)	4m³/h-60m-48V-500W	2	0.67	1" x 1"	2	0.5	/	30-110	60-90
SMH4/0.8 (IN)	4m³/h-70m-48V-600W	3	0.8	1" x 1"	2	0.6	/	30-110	60-90
SMH4/1 (IN)	4m³/h-88m-72V-750W	4	1	1" x 1"	2	0.75	/	50-170	90-120
SMH4/1.2 (IN)	4m³/h-96m-72V-900W	5	1.2	1" x 1"	2	0.9	/	50-170	90-120
SMH7/1 (IN)	7m³/h-54m-72V-750W	6	1	1¼" x 1"	2	0.75	/	50-170	90-120
SMH7/1.2 (IN)	7m³/h-72m-72V-900W	7	1.2	1¼" x 1"	2	0.9	/	50-170	90-120
SMH7/1.5 (IN)	7m³/h-88m-110V-1100W	8	1.5	1¼" x 1"	2	1.1	/	60-220	96-150
SMH7/1.75 (IN)	7m³/h-96m-110V-1300W	9	1.75	1¼" x 1"	2	1.3	/	60-220	96-150
SMH7/2 (IN)	7m³/h-116m-110V-1500W	10	2	1¼" x 1"	2	1.5	/	60-220	96-150
SMH7/2-H	7m³/h-116m-180V-1500W	10	2	1¼" x 1"	2	1.5	/	80-490	180-350
SMH4/1-A/D	4m³/h-88m-96V-750W	4	1	1" x 1"	2	0.75	90-240	80-430	96-350
SMH4/1.2-A/D	4m³/h-96m-96V-900W	5	1.2	1" x 1"	2	0.9	90-240	80-430	96-350
SMH7/1-A/D	7m³/h-54m-96V-750W	6	1	1¼" x 1"	2	0.75	90-240	80-430	96-350
SMH7/1.2-A/D	7m³/h-72m-96V-900W	7	1.2	1¼" x 1"	2	0.9	90-240	80-430	96-350
SMH7/1.5-A/D	7m³/h-88m-150V-1100W	8	1.5	1¼" x 1"	2	1.1	90-240	80-430	150-350
SMH7/1.75-A/D	7m³/h-96m-170V-1300W	9	1.75	1¼" x 1"	2	1.3	90-240	80-430	220-350
SMH7/2-A/D	7m³/h-116m-180V-1500W	10	2	1¼" x 1"	2	1.5	90-240	80-430	180-350

SSP SERIES SOLAR SWIMMING POOL PUMP







Standard DC controller (24-280V)

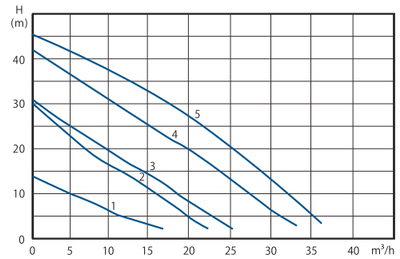


Economical DC controller (24-110V)



AC/DC AUTOMATIC controller (96-280V)

CHARACTERISTIC CURVES



PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Fitting size (mm)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
SSP16/0.6 (IN)	16m³/h-14m-24V-450W	1	0.6	48.5or50	2	0.45	/	18-60	30-48
SSP22/1.2-48 (IN)	22m³/h-30m-48V-900W	2	1.2	48.5or50	2	0.9	/	30-110	60-90
SSP22/1.2-72 (IN)	22m³/h-30m-72V-900W	2	1.2	48.5or50	2	0.9	/	50-170	90-120
SSP22/1.2-96 (IN)	22m³/h-30m-96V-900W	2	1.2	48.5or50	2	0.9	/	60-220	96-150
SSP25/1.6-72 (IN)	25m³/h-31m-72V-1200W	3	1.6	48.5or50	2	1.2	/	50-170	90-120
SSP25/1.6-110 (IN)	25m³/h-31m-110V-1200W	3	1.6	48.5or50	2	1.2	/	60-220	96-150
SSP25/1.6-150	25m³/h-31m-150V-1200W	3	1.6	48.5or50	2	1.2	/	80-490	150-350
SSP22/1.2-A/D	22m³/h-30m-96V-900W	2	1.2	48.5or50	2	0.9	90-240	80-430	96-350
SSP25/1.6-A/D	25m³/h-31m-150V-1200W	3	1.6	48.5or50	2	1.2	90-240	80-430	150-350
SSP33/3-A/D	33m³/h-42m-220V-2200W	4	3	60.3or63	2	2.2	90-240	80-430	220-350
SSP36/4-A/D	36m³/h-45m-280V-3000W	5	4	60.3or63	2	3	90-240	80-430	280-350

03

SOLAR POWER PUMP FOR POND AERATION AND AQUACULTURE

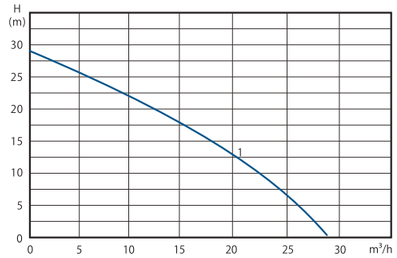


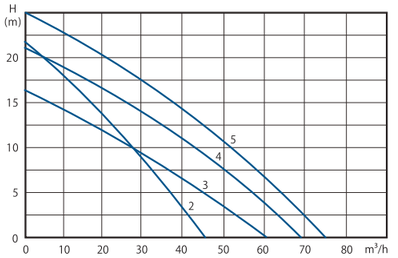
STZ SERIES SOLAR SELF-PRIMING AQUACULTURE PUMP



* PPO pump housing, PPO impeller
* The AC/DC MPPT controller is AUTOMATIC

CHARACTERISTIC CURVES





PERFORMANCE DATA

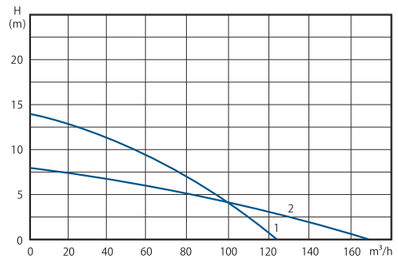
PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Connection (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
STZ33/2	33m³/h-28m-150V-1500W	1	2	2" x 2"	2	1.5	/	90-450	150-350
STZ55/2	55m³/h-22m-150V-1500W	2	2	3" x 3"	2	1.5	/	90-450	150-350
STZ75/2	75m³/h-16m-150V-1500W	3	2	4" x 4"	2	1.5	/	90-450	150-350
STZ75/3	75m³/h-21m-200V-2200W	4	3	4" x 4"	2	2.2	/	90-450	200-350
STZ75/3.7	75m³/h-25m-240V-2800W	5	3.7	4" x 4"	2	2.8	/	90-450	240-350
STZ33/2-A/D	33m³/h-28m-150V-1500W	1	2	2" x 2"	2	1.5	150-240	90-450	150-350
STZ55/2-A/D	55m³/h-22m-150V-1500W	2	2	3" x 3"	2	1.5	150-240	90-450	150-350
STZ75/2-A/D	75m³/h-16m-150V-1500W	3	2	4" x 4"	2	1.5	150-240	90-450	150-350
STZ75/3-A/D	75m³/h-21m-200V-2200W	4	3	4" x 4"	2	2.2	150-240	90-450	200-350
STZ75/3.7-A/D	75m³/h-25m-240V-2800W	5	3.7	4" x 4"	2	2.8	150-240	90-450	240-350

STZ SERIES SOLAR SELF-PRIMING AQUACULTURE PUMP



* PPO pump housing, PPO impeller
* The AC/DC MPPT controller is AUTOMATIC

CHARACTERISTIC CURVES



PERFORMANCE DATA

PUMP						CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Curve	Motor power (HP)	Connection (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
STZ120/3.7	120m³/h-14m-240V-2800W	1	3.7	6" x 6"	2	2.8	/	90-450	240-350
STZ150/3.7	150m³/h-7m-240V-2800W	2	3.7	6" x 6"	2	2.8	/	90-450	240-350
STZ120/3.7-A/D	120m³/h-14m-240V-2800W	1	3.7	6" x 6"	2	2.8	150-240	90-450	240-350
STZ150/3.7-A/D	150m³/h-7m-240V-2800W	2	3.7	6" x 6"	2	2.8	150-240	90-450	240-350

SA SERIES SOLAR FOUNTAIN AERATOR





Standard DC controller
(24-280V)



Economical DC controller
(24-110V)



AC/DC AUTOMATIC controller
(96-280V)

PERFORMANCE DATA

PUMP							CONTROLLER			
Model	Ref. # (Qmax-Hmax-Voltage-Power)	Motor power (HP)	Discharge (inch)	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
SA20/0.5(IN)	20m³/h-5m-24V-370W	0.5	3"	2	0.37	/	18-60	30-48
SA27/1(IN)	27m³/h-5m-72V-750W	1	3"	2	0.75	/	50-170	90-120
SA32/1.5(IN)	32m³/h-7m-110V-1100W	1.5	3"	2	1.1	/	60-220	96-150
SA43/2(IN)	43m³/h-7m-110V-1500W	2	3"	2	1.5	/	60-220	96-150
SA43/2-H	43m³/h-7m-180V-1500W	2	3"	2	1.5	/	80-490	180-350
SA60/3	60m³/h-5m-220V-2200W	3	4"	2	2.2	/	80-490	220-350
SA27/1-A/D	27m³/h-5m-96V-750W	1	3"	2	0.75	90-240	80-430	96-350
SA32/1.5-A/D	32m³/h-7m-150V-1100W	1.5	3"	2	1.1	90-240	80-430	150-350
SA43/2-A/D	43m³/h-7m-180V-1500W	2	3"	2	1.5	90-240	80-430	180-350
SA60/3-A/D	60m³/h-5m-220V-2200W	3	4"	2	2.2	90-240	80-430	220-350

SWA SERIES SOLAR PADDLE WHEEL AERATOR





Standard DC controller
(24-280V)



Economical DC controller
(24-110V)



AC/DC AUTOMATIC controller
(96-280V)

PERFORMANCE DATA

PUMP							CONTROLLER			
Model	Oxygenation (kgo/h)	Covering area (㎡)	Motor power (HP)	Voltage (V)	QTY.of impeller	Cable (m)	Power (kW)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
SWA110/1500 (IN)	≥1.1	2000-6000	2	110	4	2	1.5	/	60-220	96-150
SWA180/1500	≥1.1	2000-6000	2	180	4	2	1.5	/	80-490	180-350
SWA220/2200	≥1.5	2665-8000	3	220	6	2	2.2	/	80-490	220-350
SWA180/1500-A/D	≥1.1	2000-6000	2	180	4	2	1.5	90-240	80-430	180-350
SWA220/2200-A/D	≥1.5	2665-8000	3	220	6	2	2.2	90-240	80-430	220-350

SPQ SERIES SOLAR IMPELLER AERATOR





Standard DC controller
(24-280V)



Economical DC controller
(24-110V)



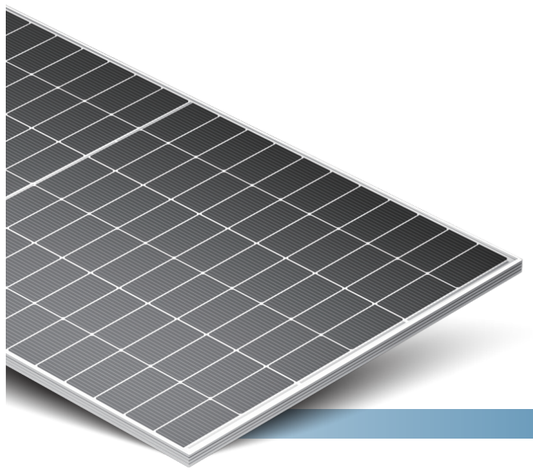
AC/DC AUTOMATIC controller
(96-280V)

PERFORMANCE DATA

PUMP					CONTROLLER		
Model	Oxygenation (kgo/h)	Covering area (㎡)	Motor power (HP)	Voltage (V)	AC voltage range (V)	VOC range (V)	MPPT voltage range (V)
SPQ110/1100 (IN)	≥1.1	2000-3500	1.5	110	/	60-220	96-150
SPQ110/1500 (IN)	≥1.5	3500-5000	2	110	/	60-220	96-150
SPQ180/1500	≥1.5	3500-5000	2	180	/	80-490	180-350
SPQ220/2200	≥3	5500-8000	3	220	/	80-490	220-350
SPQ180/1500-A/D	≥1.5	3500-5000	2	180	90-240	80-430	180-350
SPQ220/2200-A/D	≥3	5500-8000	3	220	90-240	80-430	220-350

04
SOLAR PANELS





585-600W

High efficiency bifacial modules

· White mesh

UTILITY

C&I

Module effiency

23.22%

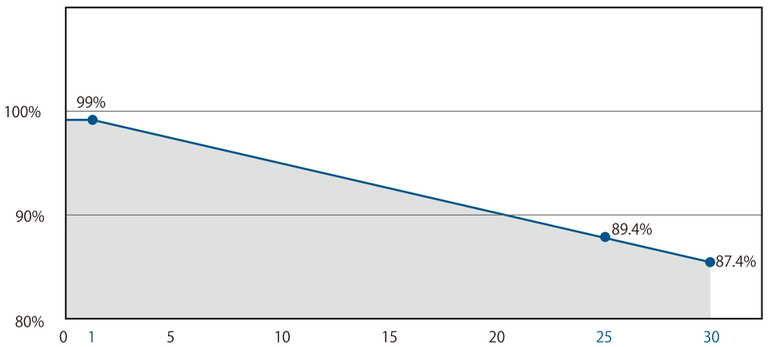
Better levelized cost of energy

Better high temperature stability

Improved low-light performance

Excellent bifacial performance

Linear performance guarantee for 30 years



WARRANTY

Quality Guarantee **15** years

Power Warranty **30** years

ELECTRIC CHARACTERISTICS

SPDG (585/600W)-N144M10

Model of modules	SPDG585-N144M10		SPDG590-N144M10		SPDG595-N144M10		SPDG600-N144M10	
	STC	**NMOT**	**STC**	**NMOT**	**STC**	**NMOT**	**STC**	**NMOT**
Power (Pmax/W)	585	437.30	590	441.00	595	444.60	600	448.4
Maximum power current (Vmp)	42.72	39.90	42.87	40.00	43.03	40.20	43.18	40.3
Maximum power current (Imp)	13.7	10.96	13.77	11.02	13.83	11.07	13.90	11.13
Open circuit voltage (Voc)	51.58	48.30	51.7	48.40	51.84	48.50	51.97	48.7
Short circuit current (Isc)	14.41	11.61	14.48	11.67	14.55	11.72	14.62	11.78
Module efficiency	22.64%		22.83%		23.02%		23.22%	

STC (Electrical parameters at standard test conditions (STC:AM=1.5, 1000W/m^2,Cells Temperature25°C)
NMOT (Irradiance 800W/m^2, Ambient Temperature 20°C,AM1.5,Wind Speed 1m/s)

ELECTRICAL CHARACTERISTICS WITH 15% REAR SIDE POWER GAIN

Front power Pmax/W	672.75	678.50	684.25	690.00
Maximum power voltage (Vmp)	42.72	42.87	43.03	43.18
Maximum power current (Imp)	15.75	15.83	15.90	15.98
Open circuit voltage (Voc)	51.58	51.70	51.84	51.97
Short circuitcurrent (Isc)	16.57	16.65	16.73	16.81

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	2278x1134x30mm
Weight	31kg
Cell	144 cells,N type Mono-Crystalline, 182mm X91mm
Front glass	2.0mm, Anti-Reflection Coating
Back glass	2.0mm, Heat Strengthened Glass
Frame	Anodized aluminum alloy
Junction box	IP68, 3 bypass diodes
Output wire	4mm^2
Wire length	1300MM/Customized
Connector	MC4 Compatible
Packing Specification	37 pcs/Pallet; 740 pcs/40' HQ

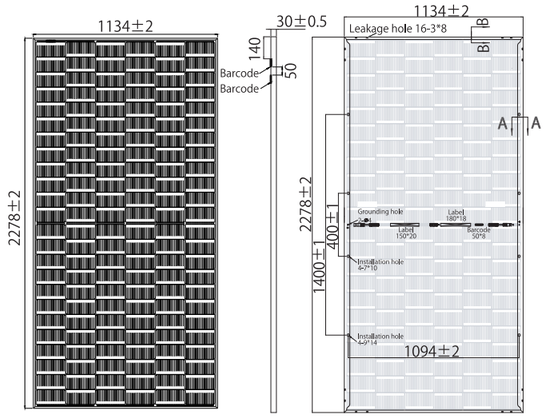
OPERATING PARAMETERS

Power tolerance (W)	(0~+5W)
Maximum system voltage (V)	1500V
Maximum rated fuse current (A)	30A
Current operating temperature (C)	-40~+85°C
Mechanical load	+5400Pa/-2400Pa

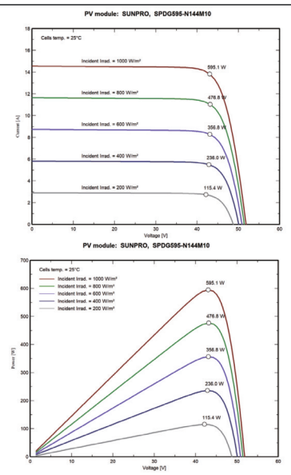
TEMPERATURE CHARACTERISTICS

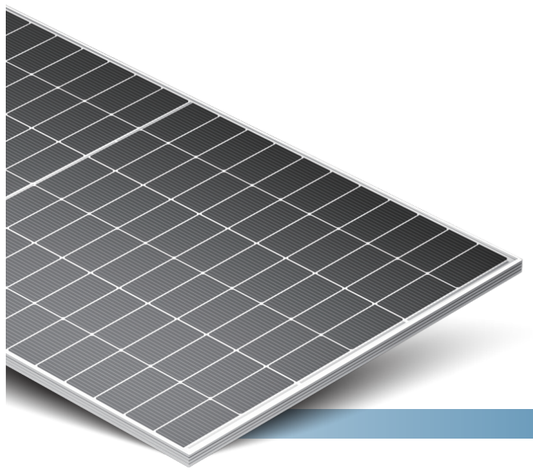
Temp. Coeff. of Isc (TK Isc)	0.046% / °C
Temp. Coeff. of Voc (TK Voc)	-0.25% / °C
Temp. Coeff. of Pmax (TK Pmax)	-0.30% / °C
Normal Operting Cell Temperature	45±2°C

MODULE DIMENSIONS(MM)



I-V CHARACTERISTICS AT DIFFERENT IRRADIATION





620-650W

High efficiency bifacial modules

· Silver frame, White mesh

UTILITY

C&I

Module effiency

24.06%

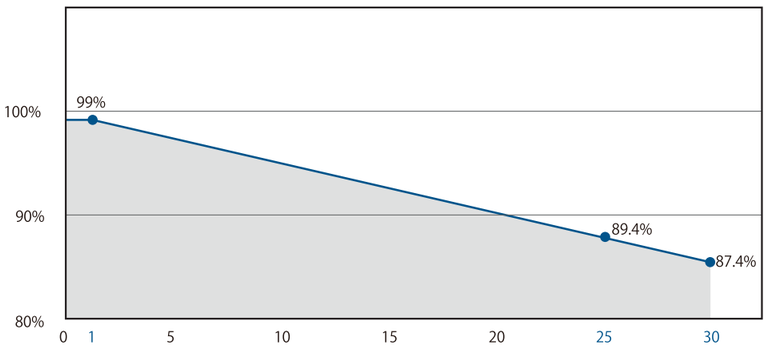
Better levelized cost of energy

Better high temperature stability

Improved low-light performance

Excellent bifacial performance

Linear performance guarantee for 30 years



WARRANTY

Quality Guarantee **15** years

Power Warranty **30** years

ELECTRIC CHARACTERISTICS

SPDG (620/650W)-N132R12

Model of modules	SPDG620-N132R12		SPDG625-N132R12		SPDG630-N132R12		SPDG635-N132R12		SPDG640-N132R12		SPDG645-N132R12		SPDG650-N132R12	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Power (Pmax/W)	620	469.30	625	473.5	630	477.6	635	481.7	640	486.8	645	490.8	650	494.6
Maximum power current (Vmp)	41.2	38.70	41.45	39	41.7	39.2	41.95	39.4	42.03	39.6	42.11	39.7	42.19	39.9
Maximum power current (Imp)	15.05	12.12	15.08	12.15	15.11	12.18	15.14	12.22	15.23	12.29	15.32	12.35	15.41	12.41
Open circuit voltage (Voc)	49.25	46.70	49.49	47	49.73	47.2	49.97	47.5	50.05	47.6	50.14	47.7	50.23	47.8
Short circuit current (Isc)	15.92	12.82	15.96	12.85	15.99	12.88	16.03	12.91	16.12	12.98	16.20	13.04	16.28	13.1
Module efficiency	22.95%		23.14%		23.32%		23.51%		23.69%		23.88%		24.06%	

STC (Electrical parameters at standard test conditions (STC:AM=1.5, 1000W/m^2,Cells Temperature25°C)
NMOT (Irradiance 800W/m^2, Ambient Temperature 20°C,AM1.5,Wind Speed 1m/s)

ELECTRICAL CHARACTERISTICS WITH 15% REAR SIDE POWER GAIN

Front power Pmax/W	713.00	718.75	724.50	730.25	736	741.75	747.5
Maximum power voltage (Vmp)	41.20	41.45	41.7	41.95	42.03	42.11	42.19
Maximum power current (Imp)	17.31	17.34	17.37	17.41	17.51	17.61	17.72
Open circuit voltage (Voc)	49.25	49.49	49.73	49.97	50.05	50.14	50.23
Short circuitcurrent (Isc)	18.31	18.35	18.39	18.43	18.54	18.63	18.72

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	2382x1134x30mm
Weight	32.4kg
Cell	132 cells,N type Mono-Crystalline, 182.2mm X105mm
Front glass	2.0mm, Anti-Reflection Coating
Back glass	2.0mm, Heat Strengthened Glass
Frame	Anodized aluminum alloy
Junction box	IP68, 3 bypass diodes
Output wire	4mm^2
Wire length	1300MM/Customized
Connector	MC4 Compatible
Packing Specification	37 pcs/Pallet; 740 pcs/40' HQ

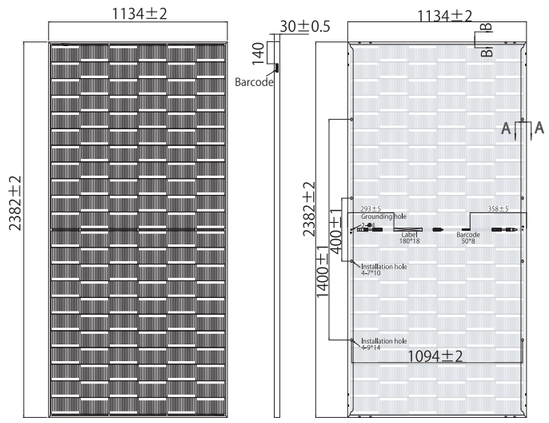
OPERATING PARAMETERS

Power tolerance (W)	(0~+5W)
Maximum system voltage (V)	1500V
Maximum rated fuse current (A)	30A
Current operating temperature (C)	-40~+85°C
Mechanical load	+5400Pa/-2400Pa

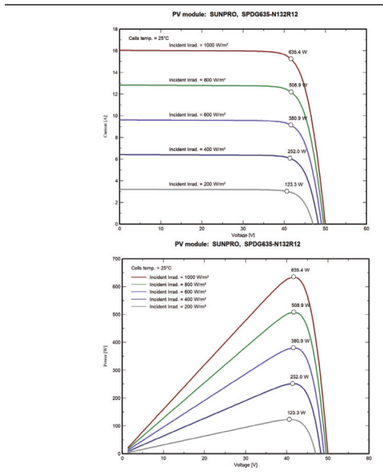
TEMPERATURE CHARACTERISTICS

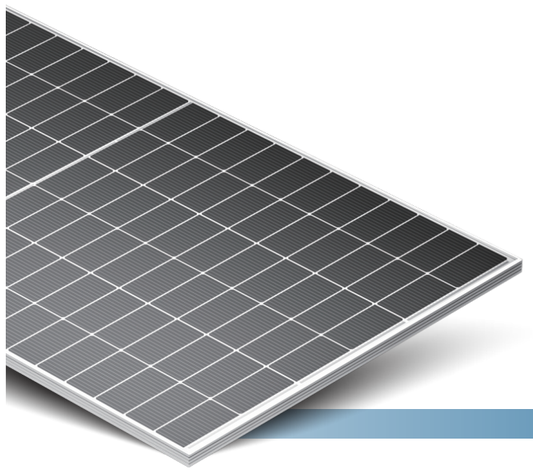
Temp. Coeff. of Isc (TK Isc)	0.045% / °C
Temp. Coeff. of Voc (TK Voc)	-0.25% / °C
Temp. Coeff. of Pmax (TK Pmax)	-0.30% / °C
Normal Operting Cell Temperature	45±2°C

MODULE DIMENSIONS(MM)



I-V CHARACTERISTICS AT DIFFERENT IRRADIATION





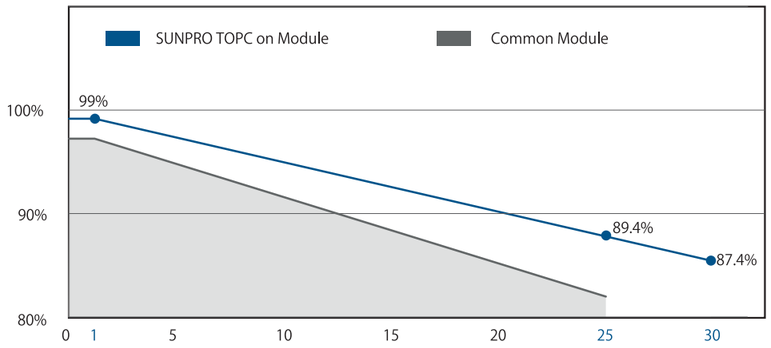
710-725W

High efficiency bifacial modules

Module effiency

23.34%

WITHSTAND STRONG | **PID RESISTANCE** | **AUTOMATIC PRODUCTION** | **HIGH EFFICIENCY**



WARRANTY

Quality Guarantee **15** years

Power Warranty **30** years

ELECTRIC CHARACTERISTICS

SPDG (710/725W)-N132M12

Model of modules	SPDG710-N132M12		SPDG715-N132M12		SPDG720-N132M12		SPDG725-N132M12	
	STC	**NMOT**	**STC**	**NMOT**	**STC**	**NMOT**	**STC**	**NMOT**
Power (Pmax/W)	710	537.90	715	541.9	720	546	725	549.9
Maximum power current (Vmp)	40.88	38.40	41.07	38.6	41.27	38.8	41.46	39
Maximum power current (Imp)	17.37	14.01	17.41	14.04	17.45	14.07	17.49	14.11
Open circuit voltage (Voc)	48.65	46.20	48.84	46.4	49.03	46.6	49.23	46.8
Short circuit current (Isc)	18.4	14.80	18.44	14.83	18.48	14.86	18.52	14.9
Module efficiency	22.86%		23.02%		23.18%		23.34%	

STC (Electrical parameters at standard test conditions (STC:AM=1.5, 1000W/m^2,Cells Temperature25°C)
NMOT (Irradiance 800W/m^2, Ambient Temperature 20°C,AM1.5,Wind Speed 1m/s)

ELECTRICAL CHARACTERISTICS WITH 15% REAR SIDE POWER GAIN

Front power Pmax/W	816.50	822.25	828.00	833.75
Maximum power voltage (Vmp)	40.88	41.07	41.27	41.46
Maximum power current (Imp)	19.97	20.02	20.06	20.11
Open circuit voltage (Voc)	48.65	48.84	49.03	49.23
Short circuitcurrent (Isc)	21.16	21.21	21.25	21.30

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	2384x1303x33mm
Weight	37.5kg
Cell	132 cells,N type Mono-Crystalline, 210mm X105mm
Front glass	2.0mm, Anti-Reflection Coating
Back glass	2.0mm, Heat Strengthened Glass
Frame	Anodized aluminum alloy
Junction box	IP68, 3 bypass diodes
Output wire	4mm^2
Wire length	1300MM/Customized
Connector	MC4 Compatible
Packing Specification	33 pcs/Pallet; 594 pcs/40' HQ

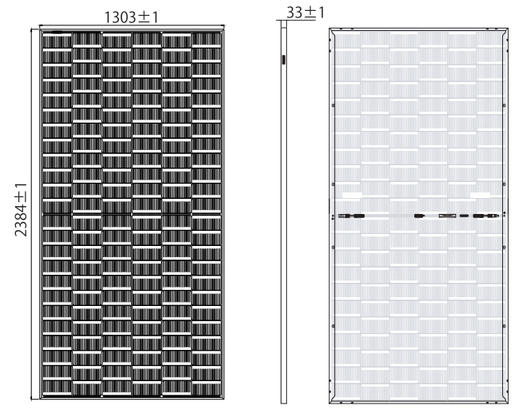
OPERATING PARAMETERS

Power tolerance (W)	(0~+5W)
Maximum system voltage (V)	1500V
Maximum rated fuse current (A)	35A
Current operating temperature (C)	-40~+85°C
Mechanical load	+5400Pa/-2400Pa

TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc (TK Isc)	0.045% / °C
Temp. Coeff. of Voc (TK Voc)	-0.25% / °C
Temp. Coeff. of Pmax (TK Pmax)	-0.30% / °C
Normal Operting Cell Temperature	45±2°C

MODULE DIMENSIONS(MM)



I-V CHARACTERISTICS AT DIFFERENT IRRADIATION

