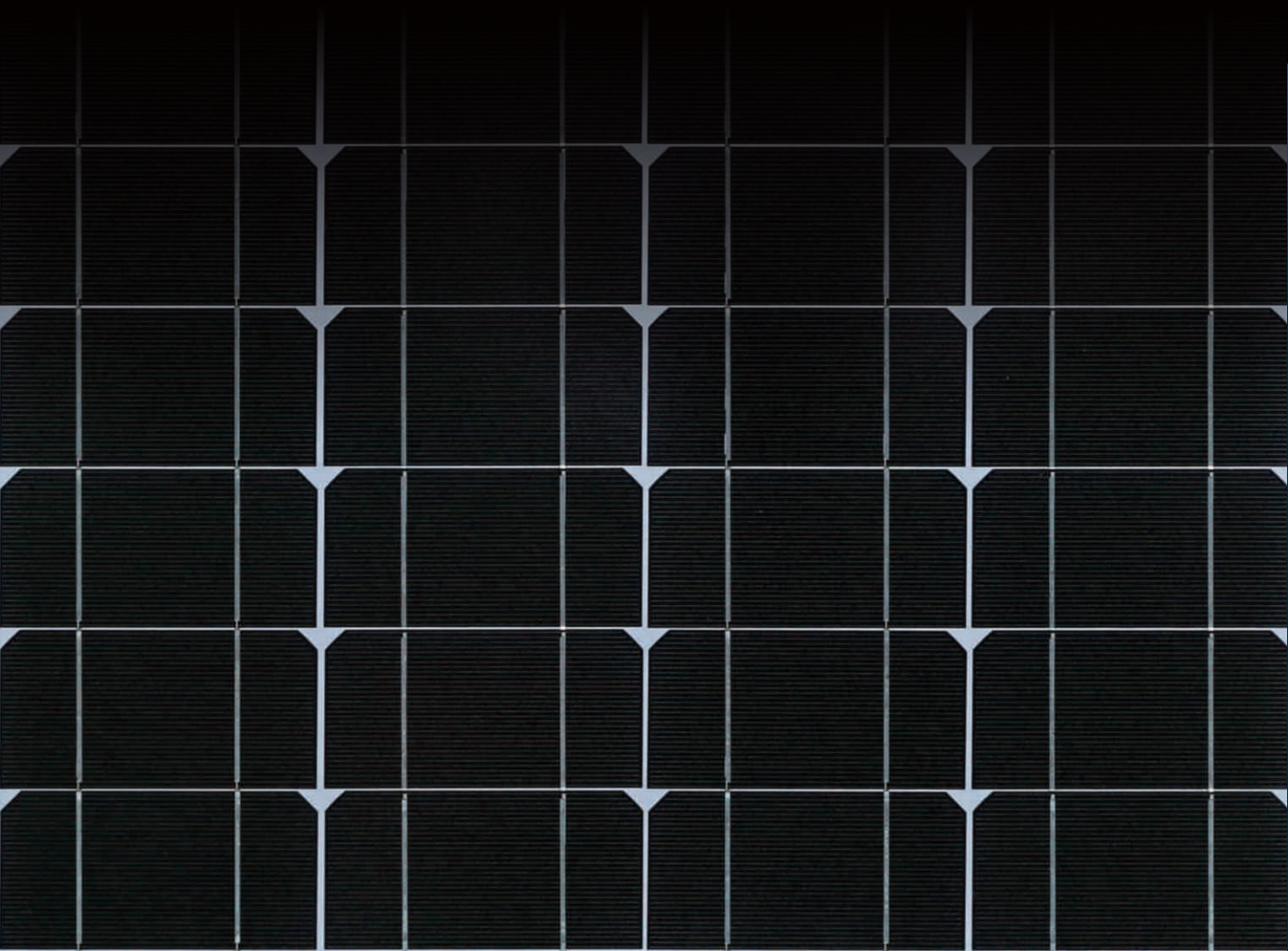


HANOURO®



SOLAR PUMP



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NO POLLUTION FOR WATER
 DEEP SUBMERGE DEPTH TILL 300 METERS
 LONGER LIFE TIME
 NO LEAKAGE PROBLEM
 SHIELDED MOTOR



SOLAR WATER PUMP



HD-2SS

BRUSHLESS SOLAR PUMP



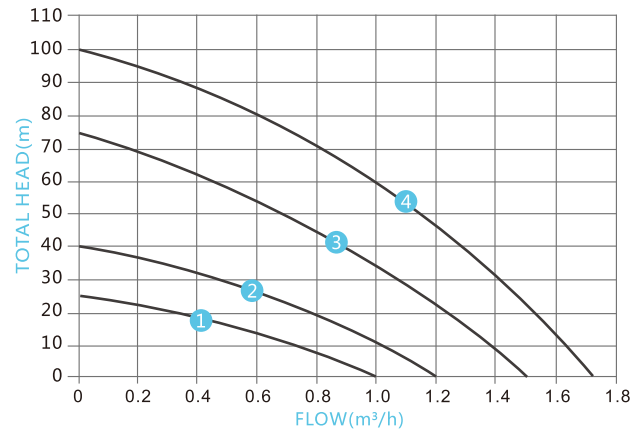
ADVANTAGE FOR SOLAR WATER PUMP

- 1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
- 2. Environmental protection, clean energy, can be powered by both solar panel and battery
- 3. Over-load protection, under-load protection, lock-rotor protection, thermal protection
- 4. With MPPT function
- 5. Much longer life than the normal AC water pump.

APPLICATION FIELD

- These water pumps are used in irrigation of agriculture, and also widely used for drinking water and living water use

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
1 HD-2SS1.0-25-12-80	12V	20V-36V	80W	1.0m³/h	25m	0.75"	1.5m	<50V	≥150w
2 HD-2SS1.2-40-24-120	24V	30V-48V	120W	1.2m³/h	40m	0.75"	1.5m	<50V	≥250w
3 HD-2SS1.5-75-36-210	36V	30V-48V	210W	1.5m³/h	75m	0.75"	1.5m	<50V	≥300w
4 HD-2SS1.7-100-48-500	48V	60V-90V	500W	1.7m³/h	100m	0.75"	1.5m	<100V	≥600w

HD-2SC

BRUSHLESS SOLAR PUMP



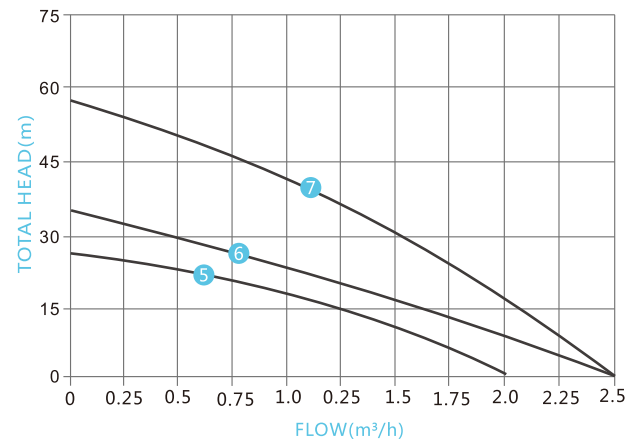
ADVANTAGE FOR SOLAR WATER PUMP

- 1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
- 2. Environmental protection, clean energy, can be powered by both solar panel and battery
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APPLICATION FIELD

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PERFORMANCE CURVES

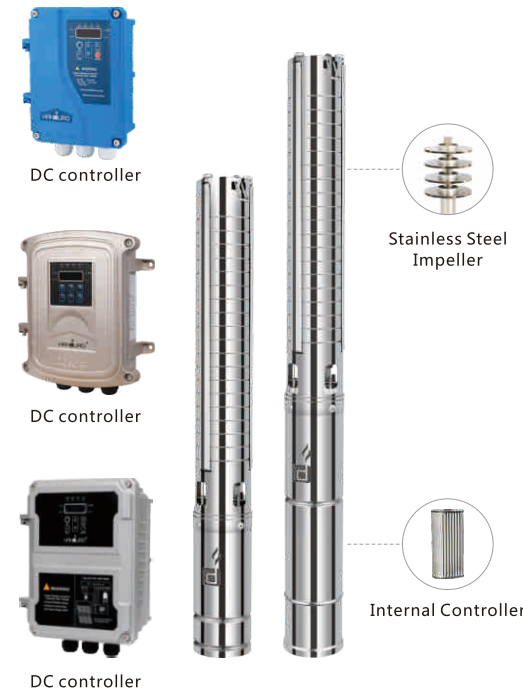


TECHNICAL DATA

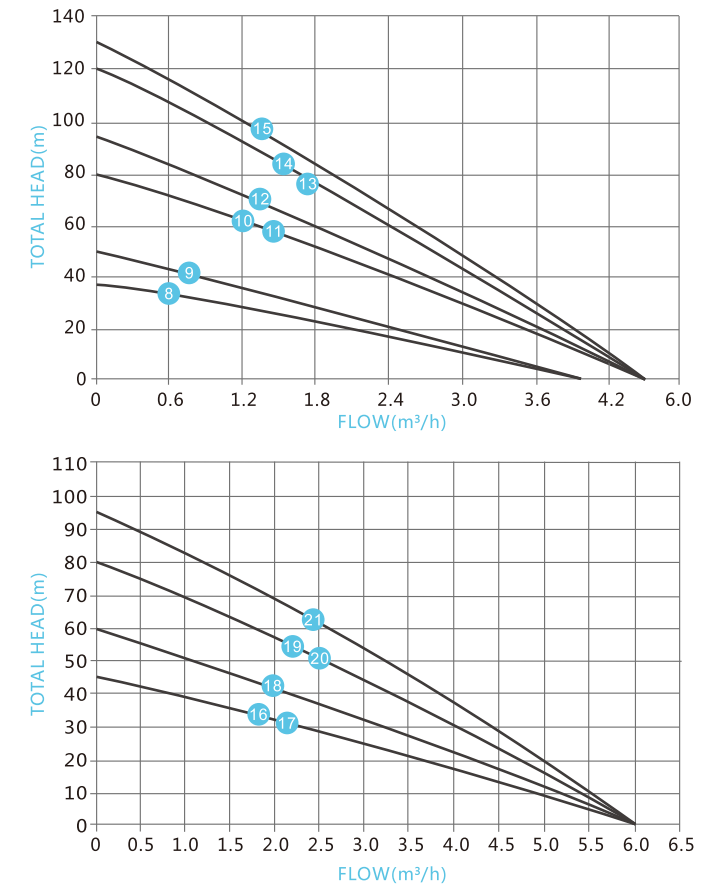
ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
5 HD-2SC2.0-25-12-200	12V	20V-36V	200W	2.0m³/h	25m	0.6"	1.5m	<50V	≥300W
6 HD-2SC2.5-36-24-300	24V	30V-48V	300W	2.5m³/h	36m	0.6"	1.5m	<50V	≥500W
7 HD-2SC2.5-55-48-400	48V	60V-90V	400W	2.5m³/h	55m	0.6"	1.5m	<100V	≥600W

HD-3SSC

BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



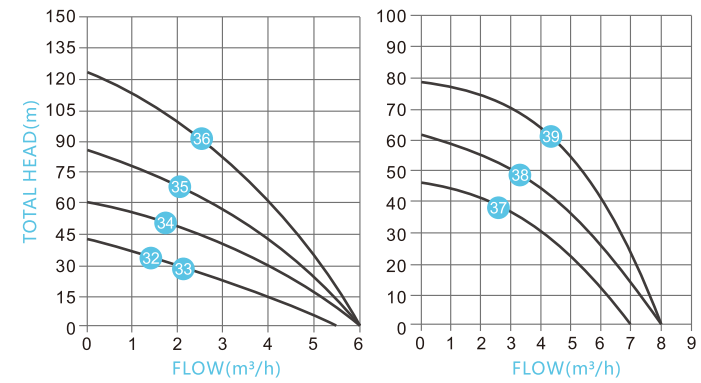
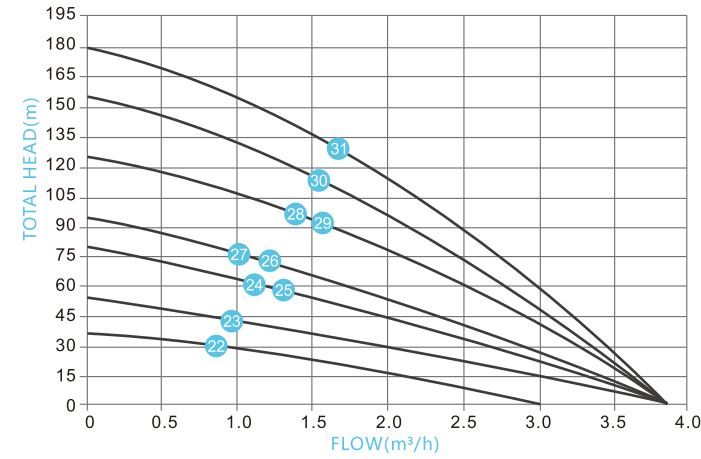
TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
8 HD-3SSC4-35-24-300	24V	30V-48V	300W	4m³/h	35m	1.25"	2m	<50V	≥500W
9 HD-3SSC4-50-48-400	48V	60V-90V	400W	4m³/h	50m	1.25"	2m	<100V	≥600W
10 HD-3SSC4.5-80-48-600	48V	60V-90V	600W	4.5m³/h	80m	1.25"	2m	<100V	≥750W
11 HD-3SSC4.5-80-72-600	72V	90V-120V	600W	4.5m³/h	80m	1.25"	2m	<150V	≥750W
12 HD-3SSC4.5-95-72-750	72V	90V-120V	750W	4.5m³/h	95m	1.25"	2m	<150V	≥1000W
13 HD-3SSC4.5-120-72-1100	72V	90V-120V	1100W	4.5m³/h	120m	1.25"	2m	<150V	≥1500W
14 HD-3SSC4.5-120-110-1100	110V	110V-150V	1100W	4.5m³/h	120m	1.25"	2m	<200V	≥1500W
15 HD-3SSC4.5-130-110-1500	110V	110V-150V	1500W	4.5m³/h	130m	1.25"	2m	<200V	≥2000W
16 HD-3SSC6-44-48-600	48V	60V-90V	600W	6m³/h	44m	1.25"	2m	<100V	≥750W
17 HD-3SSC6-44-72-600	72V	90V-120V	600W	6m³/h	44m	1.25"	2m	<150V	≥750W
18 HD-3SSC6-60-72-750	72V	90V-120V	750W	6m³/h	60m	1.25"	2m	<150V	≥1000W
19 HD-3SSC6-80-72-1100	72V	90V-120V	1100W	6m³/h	80m	1.25"	2m	<150V	≥1500W
20 HD-3SSC6-80-110-1100	110V	110V-150V	1100W	6m³/h	80m	1.25"	2m	<200V	≥1500W
21 HD-3SSC6-95-110-1500	110V	110V-150V	1500W	6m³/h	95m	1.25"	2m	<200V	≥2000W

HD-3SC BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



ADVANTAGE FOR SOLAR WATER PUMP

- 1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
- 2. Environmental protection, clean energy, can be powered by solar panel, battery as well as AC electric.
- 3. Over-load protection, under-load protection, lock-rotor protection, thermal protection
- 4. With MPPT function
- 5. Much longer life than the normal AC water pump

APPLICATION FIELD

- These water pumps are used in irrigation of agriculture, also widely used for drinking water and living water use

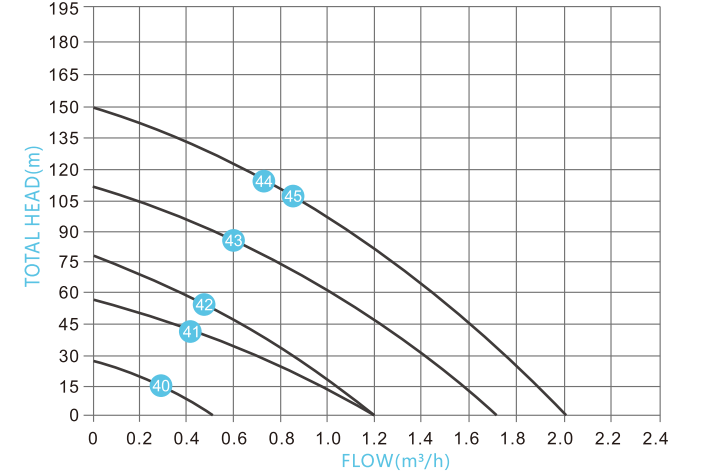
TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
22	24V	30V-48V	300W	3.0m³/h	35m	1.25"	2m	<50V	≥500W
23	48V	60V-90V	400W	3.8m³/h	55m	1.25"	2m	<100V	≥600W
24	48V	60V-90V	600W	3.8m³/h	80m	1.25"	2m	<100V	≥750W
25	72V	90V-120V	600W	3.8m³/h	80m	1.25"	2m	<150V	≥750W
26	48V	60V-90V	750W	3.8m³/h	95m	1.25"	2m	<100V	≥1000W
27	72V	90V-120V	750W	3.8m³/h	95m	1.25"	2m	<150V	≥1000W
28	72V	90V-120V	1100W	3.8m³/h	123m	1.25"	2m	<150V	≥1500W
29	110V	110V-150V	1100W	3.8m³/h	123m	1.25"	2m	<200V	≥1500W
30	110V	110V-150V	1300W	3.8m³/h	155m	1.25"	2m	<200V	≥1800W
31	110V	110V-150V	1500W	3.8m³/h	180m	1.25"	2m	<200V	≥2000W
32	48V	60V-90V	600W	5.5m³/h	42m	1.25"	2m	<100V	≥750W
33	72V	90V-120V	600W	5.5m³/h	42m	1.25"	2m	<150V	≥750W
34	72V	90V-120V	750W	6m³/h	60m	1.25"	2m	<150V	≥1000W
35	110V	110V-150V	1100W	6m³/h	85m	1.25"	2m	<200V	≥1500W
36	110V	110V-150V	1500W	6m³/h	125m	1.25"	2m	<200V	≥2000W
37	72V	90V-120V	750W	7m³/h	46m	1.25"/1.5"	2m	<150V	≥1000W
38	110V	110V-150V	1100W	8m³/h	62m	1.25"/1.5"	2m	<200V	≥1500W
39	110V	110V-150V	1500W	8m³/h	78m	1.25"/1.5"	2m	<200V	≥2000W

HD-3SS BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



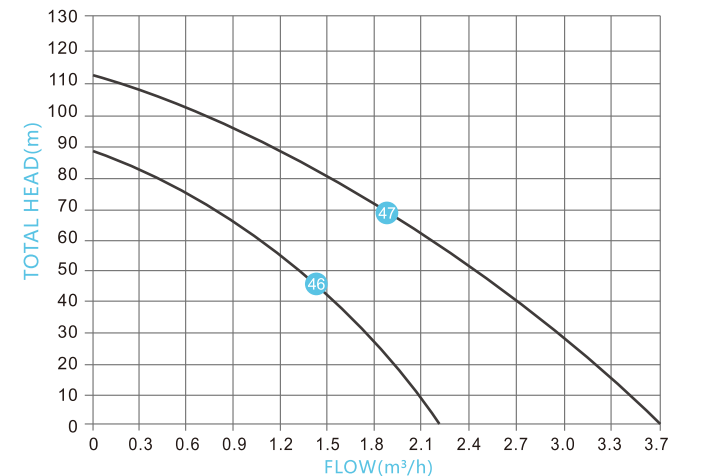
TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
40	12V	20V-36V	80W	0.5m³/h	28m	0.75"	2m	<50V	≥150W
41	24V	30V-48V	120W	1.2m³/h	56m	0.75"	2m	<50V	≥250W
42	36V	30V-48V	210W	1.2m³/h	77m	0.75"	2m	<50V	≥300W
43	48V	60V-90V	500W	1.7m³/h	109m	0.75"	2m	<100V	≥600W
44	48V	60V-90V	750W	2.0m³/h	150m	0.75"	2m	<100V	≥1000W
45	72V	90V-120V	750W	2.0m³/h	150m	0.75"	2m	<150V	≥1000W

HD-4SS BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



TECHNICAL DATA

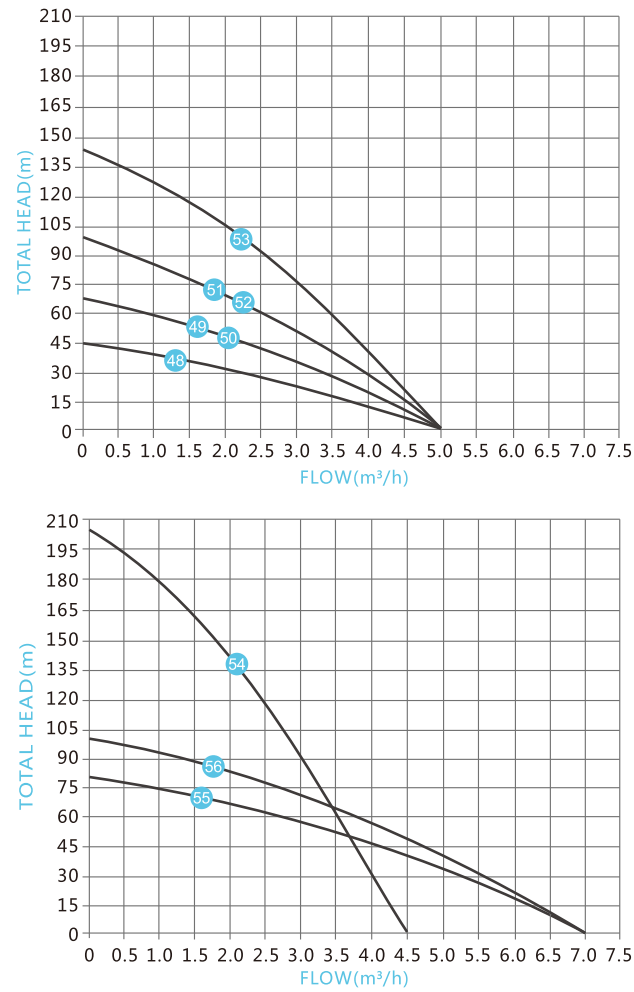
ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
46	48V	60V-90V	600W	2.2m³/h	88m	1"	2m	<100V	≥750W
47	72V	90V-120V	750W	3.7m³/h	112m	1"	2m	<150V	≥1000W

HD-4SSC

BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



TECHNICAL DATA

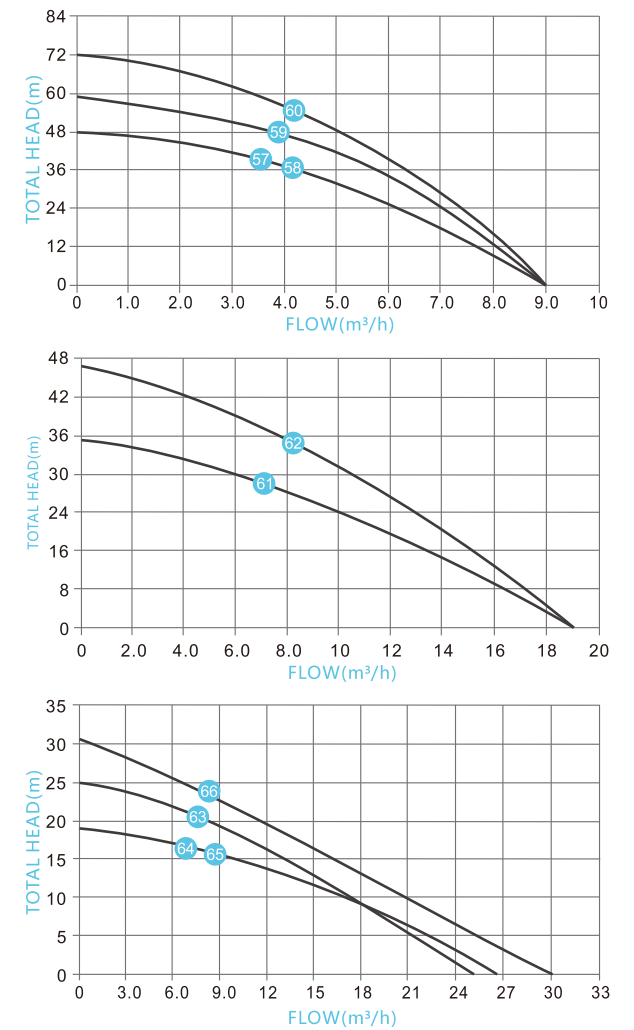
ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
48	48V	60V-90V	500W	5.0m³/h	45m	1.25"	2m	<100V	≥600W
49	48V	60V-90V	750W	5.0m³/h	67m	1.25"	2m	<100V	≥1000W
50	72V	90V-120V	750W	5.0m³/h	67m	1.25"	2m	<150V	≥1000W
51	72V	90V-120V	1100W	5.0m³/h	101m	1.25"	2m	<150V	≥1500W
52	110V	110V-150V	1100W	5.0m³/h	101m	1.25"	2m	<200V	≥1500W
53	110V	110V-150V	1300W	5.0m³/h	146m	1.25"	2m	<200V	≥1800W
54	110V	110V-150V	1500W	4.5m³/h	203m	1.25"	2m	<200V	≥2000W
55	110V	110V-150V	1300W	7.0m³/h	80m	1.25"	2m	<200V	≥1800W
56	110V	110V-150V	1500W	7.0m³/h	100m	1.25"	2m	<200V	≥2000W

HD-4SSC

BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



TECHNICAL DATA

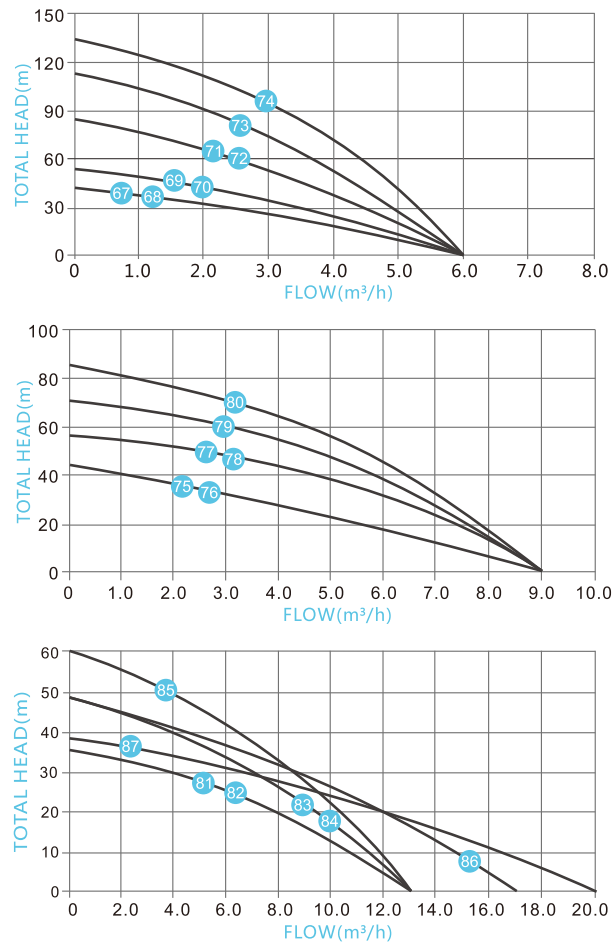
ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
57	72V	90V-120V	750W	9m³/h	48m	2"	2m	<150V	≥1000W
58	110V	110V-150V	750W	9m³/h	48m	2"	2m	<200V	≥1000W
59	110V	110V-150V	1300W	9m³/h	59m	2"	2m	<200V	≥1800W
60	110V	110V-150V	1500W	9m³/h	72m	2"	2m	<200V	≥2000W
61	110V	110V-150V	1300W	19m³/h	35m	2"	2m	<200V	≥1800W
62	110V	110V-150V	1500W	19m³/h	46m	2"	2m	<200V	≥2000W
63	110V	110V-150V	1500W	25m³/h	25m	2"	2m	<200V	≥2000W
64	72V	90V-120V	1100W	26m³/h	18m	2"	2m	<150V	≥1500W
65	110V	110V-150V	1100W	26m³/h	18m	2"	2m	<200V	≥1500W
66	110V	110V-150V	1500W	30m³/h	31m	2"	2m	<200V	≥2000W

HD-4SC

BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



TECHNICAL DATA

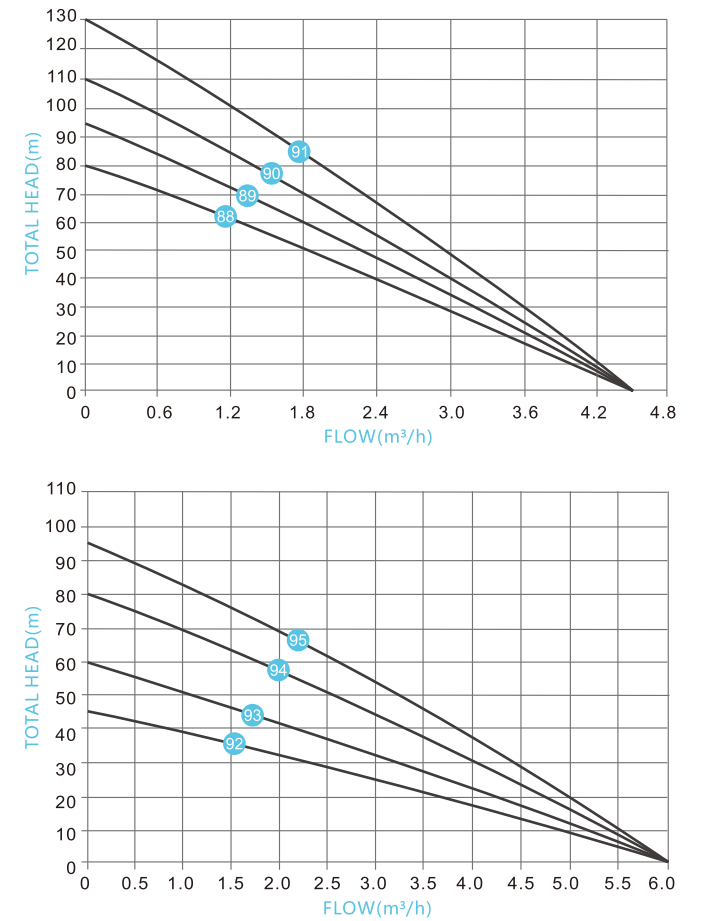
ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
67 HD-4SC6-42-48-600	48V	60V-90V	600W	6.0m³/h	42m	1.25"	2m	<100V	≥750w
68 HD-4SC6-42-72-600	72V	90V-120V	600W	6.0m³/h	42m	1.25"	2m	<150V	≥750w
69 HD-4SC6-56-48-750	48V	60V-90V	750W	6.0m³/h	56m	1.25"	2m	<100V	≥1000w
70 HD-4SC6-56-72-750	72V	90V-120V	750W	6.0m³/h	56m	1.25"	2m	<150V	≥1000w
71 HD-4SC6-84-72-1100	72V	90V-120V	1100W	6.0m³/h	84m	1.25"/1.5"	2m	<150V	≥1500w
72 HD-4SC6-84-110-1100	110V	110V-150V	1100W	6.0m³/h	84m	1.25"/1.5"	2m	<200V	≥1500w
73 HD-4SC6-112-110-1300	110V	110V-150V	1300W	6.0m³/h	112m	1.25"/1.5"	2m	<200V	≥1800w
74 HD-4SC6-135-110-1500	110V	110V-150V	1500W	6.0m³/h	135m	1.25"/1.5"	2m	<200V	≥2000w
75 HD-4SC9-45-72-750	72V	90V-120V	750W	9.0m³/h	45m	2"	2m	<150V	≥1000W
76 HD-4SC9-45-110-750	110V	110V-150V	750W	9.0m³/h	45m	2"	2m	<200V	≥1000W
77 HD-4SC9-58-72-1100	72V	90V-120V	1100W	9.0m³/h	58m	2"	2m	<150V	≥1500W
78 HD-4SC9-58-110-1100	110V	110V-150V	1100W	9.0m³/h	58m	2"	2m	<200V	≥1500W
79 HD-4SC9-71-110-1300	110V	110V-150V	1300W	9.0m³/h	71m	2"	2m	<200V	≥1800W
80 HD-4SC9-85-110-1500	110V	110V-150V	1500W	9.0m³/h	85m	2"	2m	<200V	≥2000W
81 HD-4SC13-36-72-750	72V	90V-120V	750W	13.0m³/h	36m	2"	2m	<150V	≥1000W
82 HD-4SC13-36-110-750	110V	110V-150V	750W	13.0m³/h	36m	2"	2m	<200V	≥1000W
83 HD-4SC13-48-72-1100	72V	90V-120V	1100W	13.0m³/h	48m	2"	2m	<150V	≥1500W
84 HD-4SC13-48-110-1100	110V	110V-150V	1100W	13.0m³/h	48m	2"	2m	<200V	≥1500W
85 HD-4SC13-60-110-1500	110V	110V-150V	1500W	13.0m³/h	60m	2"	2m	<200V	≥2000W
86 HD-4SC17-48-110-1500	110V	110V-150V	1500W	17.0m³/h	48m	2"	2m	<200V	≥2000W
87 HD-4SC20-38-110-1500	110V	110V-150V	1500W	20.0m³/h	38m	2"	2m	<200V	≥2000W

HD-3SSC-A/D (80V-400V)

BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



ADVANTAGE FOR SOLAR WATER PUMP

- 1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
- 2. Environmental protection, clean energy, can be powered by solar panel, battery as well as AC electric.
- 3. Over-load protection, under-load protection, lock-rotor protection, thermal protection
- 4. With MPPT function
- 5. Much longer life than the normal AC water pump

APPLICATION FIELD

- These water pumps are used in irrigation of agriculture, also widely used for drinking water and living water use

TECHNICAL DATA

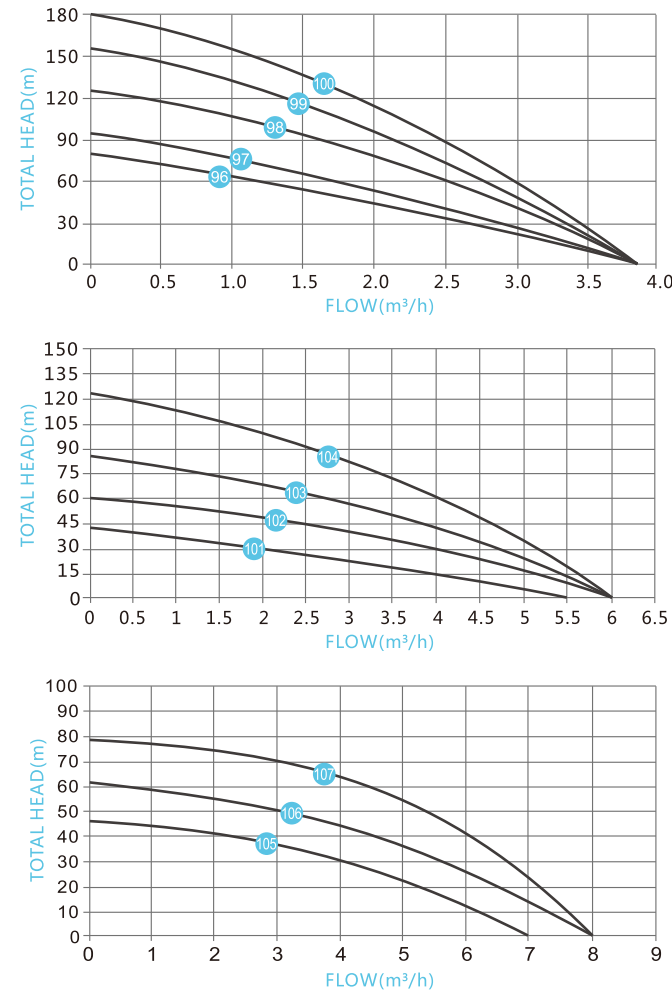
ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
88 HD-3SSC4.5-80-72-600-A/D	110V-240V	80V-400V	600W	4.5m³/h	80m	1.25"	2m	<420V	≥750W
89 HD-3SSC4.5-95-72-750-A/D	110V-240V	80V-400V	750W	4.5m³/h	95m	1.25"	2m	<420V	≥1000W
90 HD-3SSC4.5-110-110-1100-A/D	110V-240V	80V-400V	1100W	4.5m³/h	110m	1.25"	2m	<420V	≥1500W
91 HD-3SSC4.5-130-110-1500-A/D	110V-240V	80V-400V	1500W	4.5m³/h	130m	1.25"	2m	<420V	≥2000W
92 HD-3SSC6-44-72-600-A/D	110V-240V	80V-400V	600W	6m³/h	44m	1.25"	2m	<420V	≥750W
93 HD-3SSC6-60-72-750-A/D	110V-240V	80V-400V	750W	6m³/h	60m	1.25"	2m	<420V	≥1000W
94 HD-3SSC6-80-110-1100-A/D	110V-240V	80V-400V	1100W	6m³/h	80m	1.25"	2m	<420V	≥1500W
95 HD-3SSC6-95-110-1500-A/D	110V-240V	80V-400V	1500W	6m³/h	95m	1.25"	2m	<420V	≥2000W

HD-3SC-A/D (80V-400V)

BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



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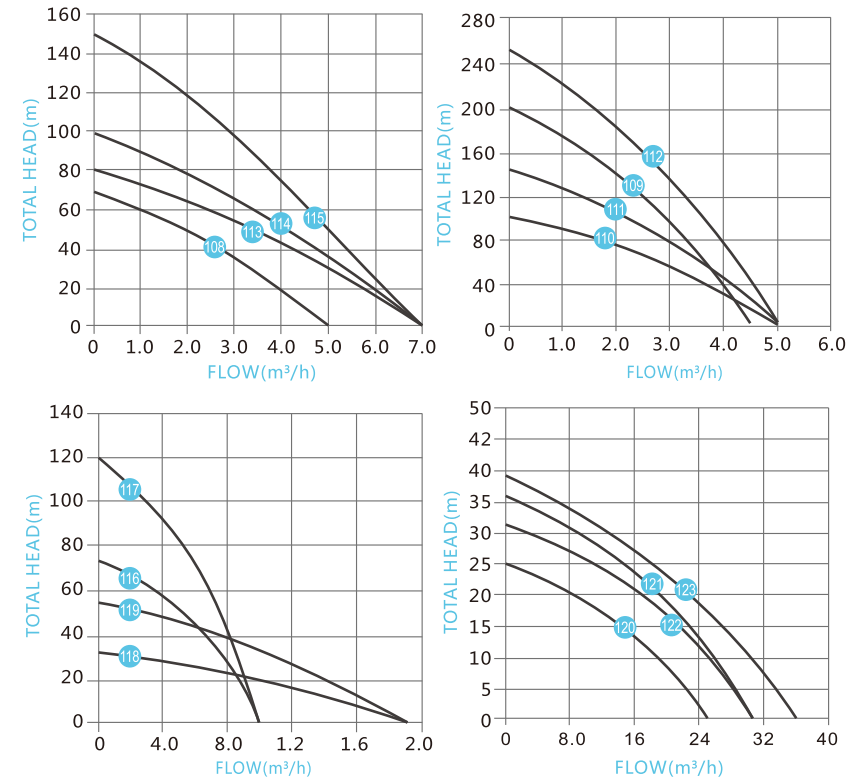
ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
96	110V-240V	80V-400V	600W	3.8m³/h	80m	1.25"	2m	<420V	≥750W
97	110V-240V	80V-400V	750W	3.8m³/h	95m	1.25"	2m	<420V	≥1000W
98	110V-240V	80V-400V	1100W	3.8m³/h	123m	1.25"	2m	<420V	≥1500W
99	110V-240V	80V-400V	1300W	3.8m³/h	155m	1.25"	2m	<420V	≥1800W
100	110V-240V	80V-400V	1500W	3.8m³/h	180m	1.25"	2m	<420V	≥2000W
101	110V-240V	80V-400V	600W	5.5m³/h	42m	1.25"	2m	<420V	≥750W
102	110V-240V	80V-400V	750W	6m³/h	60m	1.25"	2m	<420V	≥1000W
103	110V-240V	80V-400V	1100W	6m³/h	85m	1.25"	2m	<420V	≥1500W
104	110V-240V	80V-400V	1500W	6m³/h	125m	1.25"	2m	<420V	≥2000W
105	110V-240V	80V-400V	750W	7m³/h	46m	1.25"/1.5"	2m	<420V	≥1000W
106	110V-240V	80V-400V	1100W	8m³/h	62m	1.25"/1.5"	2m	<420V	≥1500W
107	110V-240V	80V-400V	1500W	8m³/h	78m	1.25"/1.5"	2m	<420V	≥2000W

HD-4SSC-A/D (80V-400V)

BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



TECHNICAL DATA

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
108	110V-240V	80V-400V	750W	5m³/h	67m	1.25"	2m	<420V	≥1000W
109	110V-240V	80V-400V	1500W	4.5m³/h	203m	1.25"	2m	<420V	≥2000W
110	110V-240V	80V-400V	1100W	5m³/h	101m	1.25"	2m	<420V	≥1500W
111	110V-240V	80V-400V	1300W	5m³/h	146m	1.25"	2m	<420V	≥1800W
112	180V-240V	80V-400V	2200W	5m³/h	255m	1.25"	2m	<420V	≥3000W
113	110V-240V	80V-400V	1300W	7m³/h	80m	1.25"	2m	<420V	≥1800W
114	110V-240V	80V-400V	1500W	7m³/h	100m	1.25"	2m	<420V	≥2000W
115	180V-240V	80V-400V	2200W	7m³/h	150m	1.25"	2m	<420V	≥3000W
116	110V-240V	80V-400V	1500W	9m³/h	72m	2"	2m	<420V	≥2000W
117	180V-240V	80V-400V	2200W	9m³/h	120m	2"	2m	<420V	≥3000W
118	110V-240V	80V-400V	1500W	19m³/h	34m	2"	2m	<420V	≥2000W
119	180V-240V	80V-400V	2200W	19m³/h	57m	2"	2m	<420V	≥3000W
120	110V-240V	80V-400V	1500W	25m³/h	25m	2"	2m	<420V	≥2000W
121	180V-240V	80V-400V	2200W	30m³/h	36m	2"	2m	<420V	≥3000W
122	110V-240V	80V-400V	1500W	30m³/h	31m	3"	2m	<420V	≥2000W
123	180V-240V	80V-400V	2200W	36m³/h	38m	3"	2m	<420V	≥3000W

HD-4SC-A/D (80V-400V)

BRUSHLESS SOLAR PUMP



Plastic Impeller

AC/DC (NEW) controller

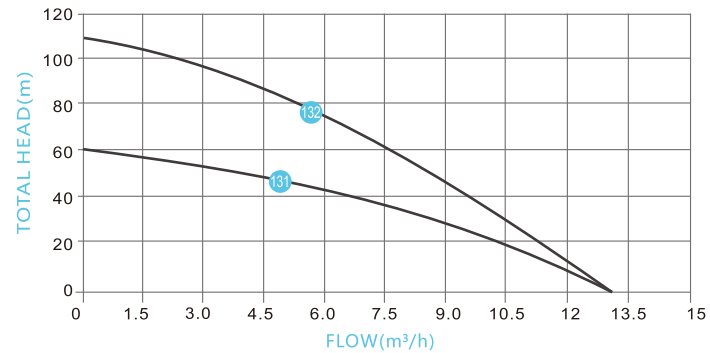
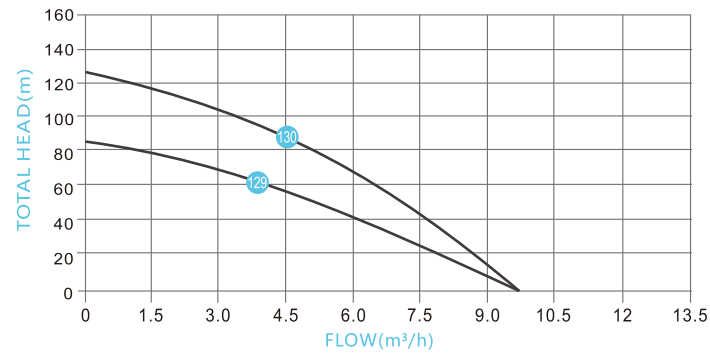
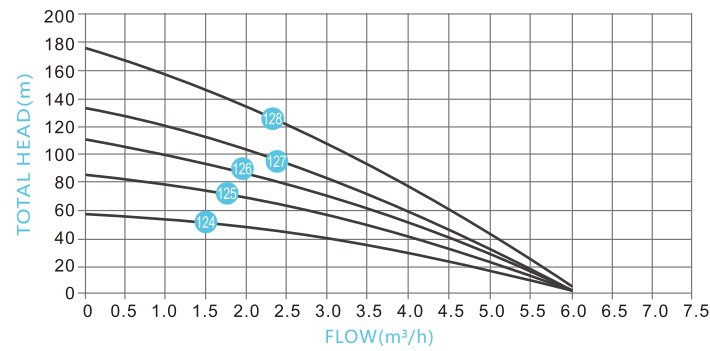
ADVANTAGE FOR SOLAR WATER PUMP

- 1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
- 2. Environmental protection, clean energy, can be powered by solar panel, battery as well as AC electric.
- 3. Over-load protection, under-load protection, lock-rotor protection, thermal protection
- 4. With MPPT function
- 5. Much longer life than the normal AC water pump

APPLICATION FIELD

- These water pumps are used in irrigation of agriculture, also widely used for drinking water and living water use

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
124	110V-240V	80V-400V	750W	6m³/h	56m	2"	2m	<420V	≥1000W
125	110V-240V	80V-400V	1100W	6m³/h	84m	2"	2m	<420V	≥1500W
126	110V-240V	80V-400V	1300W	6m³/h	112m	2"	2m	<420V	≥1800W
127	110V-240V	80V-400V	1500W	6m³/h	135m	2"	2m	<420V	≥2000W
128	180V-240V	80V-400V	2200W	6m³/h	175m	2"	2m	<420V	≥3000W
129	110V-240V	80V-400V	1500W	9.5m³/h	85m	2"	2m	<420V	≥2000W
130	180V-240V	80V-400V	2200W	9.5m³/h	125m	2"	2m	<420V	≥3000W
131	110V-240V	80V-400V	1500W	13m³/h	60m	2"	2m	<420V	≥2000W
132	180V-240V	80V-400V	2200W	13m³/h	110m	2"	2m	<420V	≥3000W

HD-4SSC-A/D

BRUSHLESS SOLAR PUMP



Stainless Steel Impeller

AC/DC controller

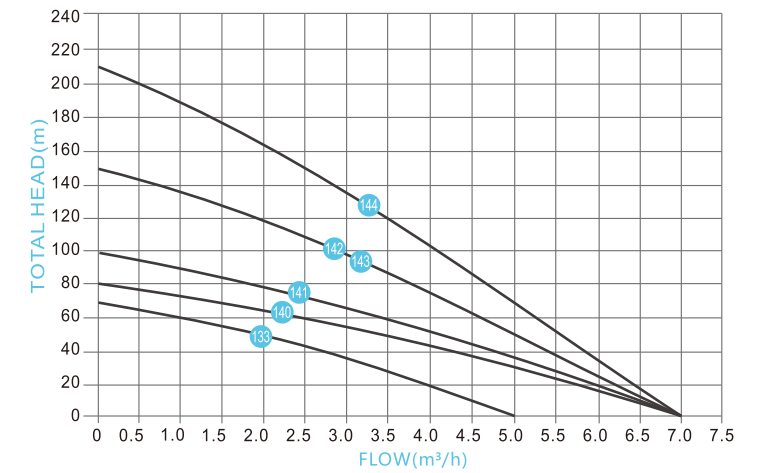
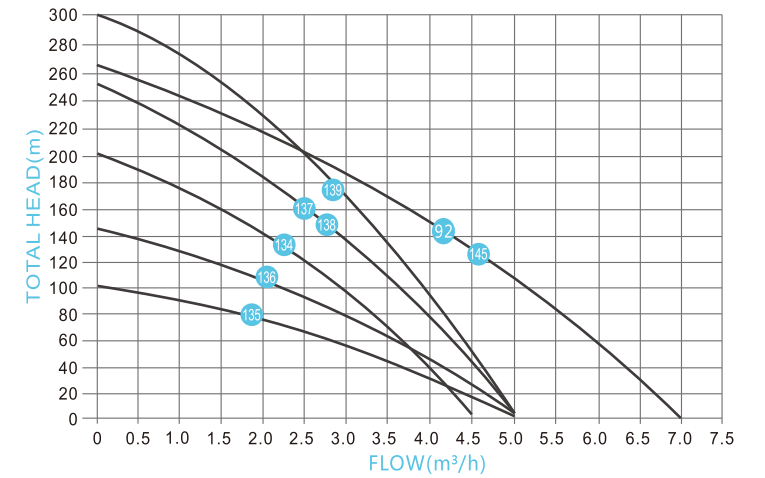
ADVANTAGE FOR SOLAR WATER PUMP

- 1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
- 2. Environmental protection, clean energy, can be powered by solar panel, battery as well as AC electric.
- 3. Over-load protection, under-load protection, lock-rotor protection, thermal protection
- 4. With MPPT function
- 5. Much longer life than the normal AC water pump

APPLICATION FIELD

- These water pumps are used in irrigation of agriculture, also widely used for drinking water and living water use

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
133	180V-240V	300V-400V	750W	5m³/h	67m	1.25"	2m	<450V	≥1800W
134	180V-240V	300V-400V	1500W	4.5m³/h	203m	1.25"	2m	<450V	≥2000W
135	180V-240V	300V-400V	1100W	5m³/h	101m	1.25"	2m	<450V	≥1500W
136	180V-240V	300V-400V	1300W	5m³/h	146m	1.25"	2m	<450V	≥1800W
137	180V-240V	300V-400V	2200W	5m³/h	255m	1.25"	2m	<450V	≥3000W
138	350V-460V	480V-750V	2200W	5m³/h	255m	1.25"	2m	<800V	≥3000W
139	350V-460V	480V-750V	3000W	5m³/h	300m	1.25"	2m	<800V	≥4000W
140	180V-240V	300V-400V	1300W	7m³/h	80m	1.25"	2m	<450V	≥1800W
141	180V-240V	300V-400V	1500W	7m³/h	100m	1.25"	2m	<450V	≥2000W
142	180V-240V	300V-400V	2200W	7m³/h	150m	1.25"	2m	<450V	≥3000W
143	350V-460V	480V-750V	2200W	7m³/h	150m	1.25"	2m	<800V	≥3000W
144	350V-460V	480V-750V	3000W	7m³/h	210m	1.25"	2m	<800V	≥4000W
145	350V-460V	480V-750V	4000W	7m³/h	265m	1.25"	2m	<800V	≥5000W

HD-4SSC-A/D

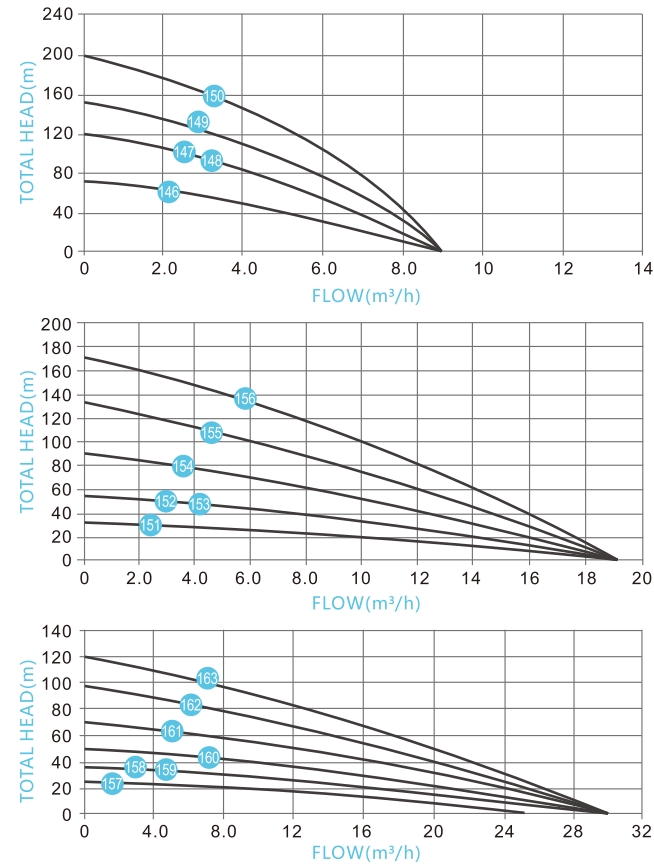
BRUSHLESS SOLAR PUMP



Stainless Steel Impeller

AC/DC controller

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
146 HD-4SSC9-72-220-1500-A/D	180V-240V	300V-400V	1500W	9m³/h	72m	2"	2m	<450V	≥2000W
147 HD-4SSC9-120-220-2200-A/D	180V-240V	300V-400V	2200W	9m³/h	120m	2"	2m	<450V	≥3000W
148 HD-4SSC9-120-220-2200-A/D-3	350V-460V	480V-750V	2200W	9m³/h	120m	2"	2m	<800V	≥3000W
149 HD-4SSC9-155-380-3000-A/D	350V-460V	480V-750V	3000W	9m³/h	155m	2"	2m	<800V	≥4000W
150 HD-4SSC9-200-380-4000-A/D	350V-460V	480V-750V	4000W	9m³/h	200m	2"	2m	<800V	≥5000W
151 HD-4SSC19-34-220-1500-A/D	180V-240V	300V-400V	1500W	19m³/h	34m	2"	2m	<450V	≥2000W
152 HD-4SSC19-57-220-2200-A/D	180V-240V	300V-400V	2200W	19m³/h	57m	2"	2m	<450V	≥3000W
153 HD-4SSC19-57-380-2200-A/D	350V-460V	480V-750V	2200W	19m³/h	57m	2"	2m	<800V	≥3000W
154 HD-4SSC19-90-380-3000-A/D	350V-460V	480V-750V	3000W	19m³/h	90m	2"	2m	<800V	≥4000W
156 HD-4SSC19-135-380-4000-A/D	350V-460V	480V-750V	4000W	19m³/h	135m	2"	2m	<800V	≥5000W
156 HD-4SC19-170-380-5500-A/D	350V-460V	480V-750V	5500W	19m³/h	170m	2"	2m	<800V	≥6000W
157 HD-4SSC25-25-220-1500-A/D	180V-240V	300V-400V	1500W	25m³/h	25m	2"	2m	<450V	≥2000W
158 HD-4SSC30-36-220-2200-A/D	180V-240V	300V-400V	2200W	30m³/h	36m	2"	2m	<450V	≥3000W
159 HD-4SSC30-36-380-2200-A/D	350V-460V	480V-750V	2200W	30m³/h	36m	2"	2m	<800V	≥3000W
160 HD-4SSC30-50-380-3000-A/D	350V-460V	480V-750V	3000W	30m³/h	50m	2"	2m	<800V	≥4000W
161 HD-4SSC30-72-380-4000-A/D	350V-460V	480V-750V	4000W	30m³/h	72m	2"	2m	<800V	≥5000W
162 HD-4SSC30-96-380-5500-A/D	350V-460V	480V-750V	5500W	30m³/h	96m	2"	2m	<800V	≥6000W
163 HD-4SSC30-120-380-7500-A/D	350V-460V	480V-750V	7500W	30m³/h	120m	2"	2m	<800V	≥8500W

HD-4SC-A/D

BRUSHLESS SOLAR PUMP



Plastic Impeller

AC/DC controller

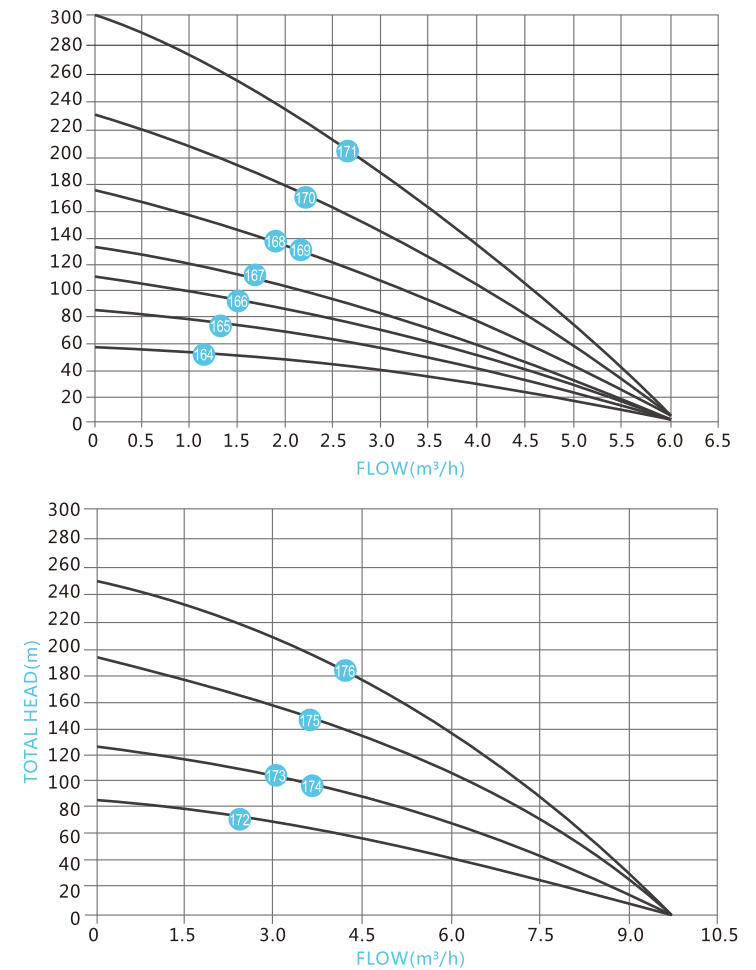
ADVANTAGE FOR SOLAR WATER PUMP

- 1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
- 2. Environmental protection, clean energy, can be powered by solar panel, battery as well as AC electric.
- 3. Over-load protection, under-load protection, lock-rotor protection, thermal protection
- 4. With MPPT function
- 5. Much longer life than the normal AC water pump

APPLICATION FIELD

- These water pumps are used in irrigation of agriculture, also widely used for drinking water and living water use

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
164 HD-4SC6-56-220-750-A/D	180V-240V	300V-400V	750W	6m³/h	56m	1.25"	2m	<450V	≥1800W
165 HD-4SC6-84-220-1100-A/D	180V-240V	300V-400V	1100W	6m³/h	84m	1.25"	2m	<450V	≥1800W
166 HD-4SC6-112-220-1300-A/D	180V-240V	300V-400V	1300W	6m³/h	112m	1.25"	2m	<450V	≥1800W
167 HD-4SC6-135-220-1500-A/D	180V-240V	300V-400V	1500W	6m³/h	135m	1.25"	2m	<450V	≥2000W
168 HD-4SC6-175-220-2200-A/D	180V-240V	300V-400V	2200W	6m³/h	175m	1.25"	2m	<450V	≥3000W
169 HD-4SC6-175-380-2200-A/D	350V-460V	480V-750V	2200W	6m³/h	175m	1.25"	2m	<800V	≥3000W
170 HD-4SC6-230-380-3000-A/D	350V-460V	480V-750V	3000W	6m³/h	230m	1.25"	2m	<800V	≥4000W
171 HD-4SC6-300-380-4000-A/D	350V-460V	480V-750V	4000W	6m³/h	300m	1.25"	2m	<800V	≥5000W
172 HD-4SC9.5-85-220-1500-A/D	180V-240V	300V-400V	1500W	9.5m³/h	85m	2"	2m	<450V	≥2000W
173 HD-4SC9.5-125-220-2200-A/D	180V-240V	300V-400V	2200W	9.5m³/h	125m	2"	2m	<450V	≥3000W
174 HD-4SC9.5-125-380-2200-A/D	350V-460V	480V-750V	2200W	9.5m³/h	125m	2"	2m	<800V	≥3000W
175 HD-4SC9.5-195-380-3000-A/D	350V-460V	480V-750V	3000W	9.5m³/h	195m	2"	2m	<800V	≥4000W
176 HD-4SC9.5-250-380-4000-A/D	350V-460V	480V-750V	4000W	9.5m³/h	250m	2"	2m	<800V	≥5000W

HD-4SC-A/D

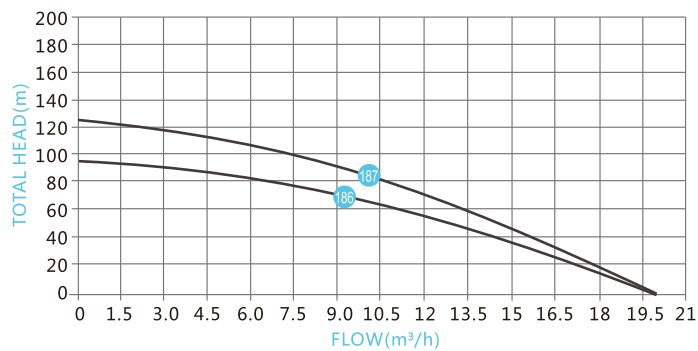
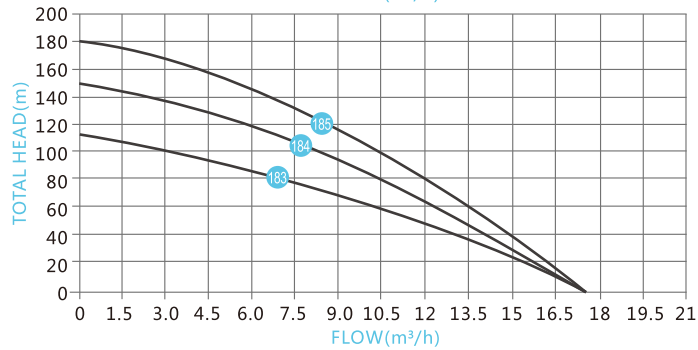
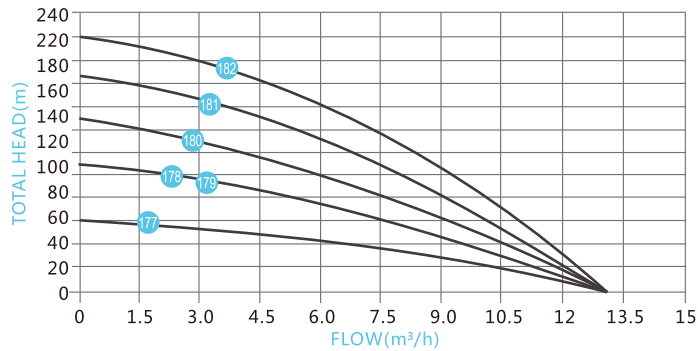
BRUSHLESS SOLAR PUMP



Plastic Impeller

AC/DC controller

PERFORMANCE CURVES



ADVANTAGE FOR SOLAR WATER PUMP

- 1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
- 2. Environmental protection, clean energy, can be powered by solar panel, battery as well as AC electric.
- 3. Over-load protection, under-load protection, lock-rotor protection, thermal protection
- 4. With MPPT function
- 5. Much longer life than the normal AC water pump

APPLICATION FIELD

- These water pumps are used in irrigation of agriculture, also widely used for drinking water and living water use

TECHNICAL DATA

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
177	180V-240V	300V-400V	1500W	13m³/h	60m	2"	2m	<450V	≥2000W
178	180V-240V	300V-400V	2200W	13m³/h	110m	2"	2m	<450V	≥3000W
179	350V-460V	480V-750V	2200W	13m³/h	110m	2"	2m	<800V	≥3000W
180	350V-460V	480V-750V	3000W	13m³/h	150m	2"	2m	<800V	≥4000W
181	350V-460V	480V-750V	4000W	13m³/h	185m	2"	2m	<800V	≥5000W
182	350V-460V	480V-750V	5500W	13m³/h	220m	2"	2m	<800V	≥6000W
183	350V-460V	480V-750V	3000W	17m³/h	112m	2"	2m	<800V	≥4000W
184	350V-460V	480V-750V	4000W	17m³/h	150m	2"	2m	<800V	≥5000W
185	350V-460V	480V-750V	5500W	17m³/h	180m	2"	2m	<800V	≥6000W
186	350V-460V	480V-750V	4000W	20m³/h	98m	2"	2m	<800V	≥5000W
187	350V-460V	480V-750V	5500W	20m³/h	125m	2"	2m	<800V	≥6000W

HD-4/6SSC-A/D

BRUSHLESS SOLAR PUMP



Stainless Steel Impeller

AC/DC controller

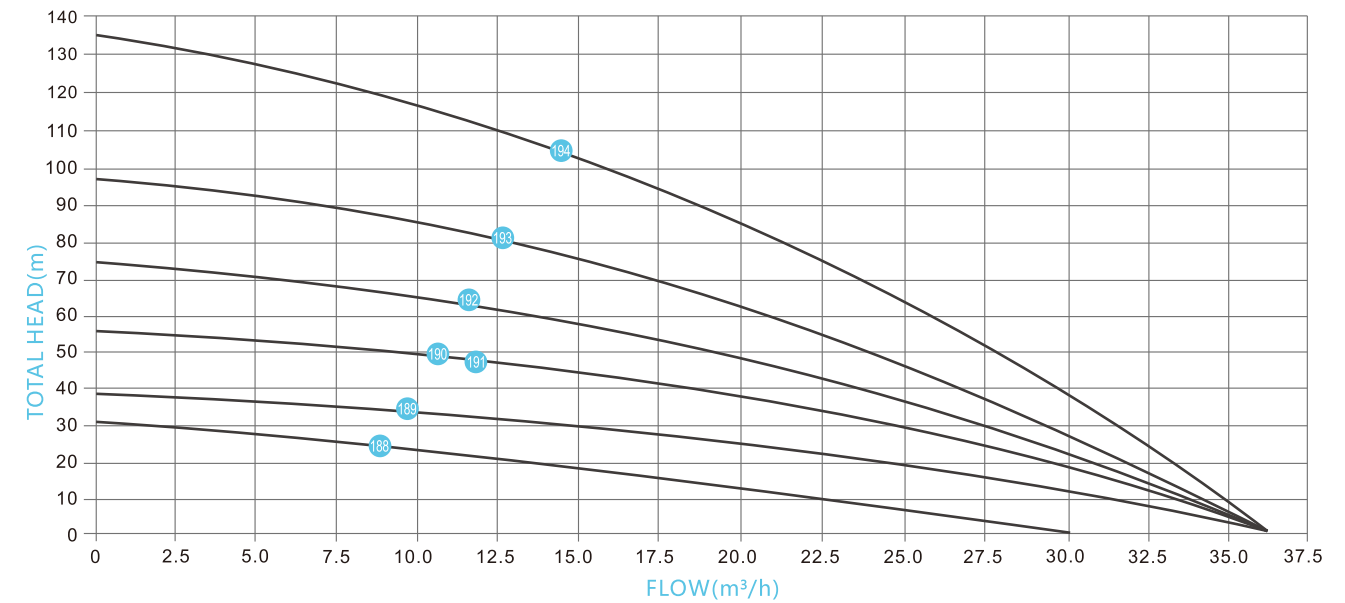
ADVANTAGE FOR SOLAR WATER PUMP

- 1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
- 2. Environmental protection, clean energy, can be powered by solar panel, battery as well as AC electric.
- 3. Over-load protection, under-load protection, lock-rotor protection, thermal protection
- 4. With MPPT function
- 5. Much longer life than the normal AC water pump

APPLICATION FIELD

- These water pumps are used in irrigation of agriculture, also widely used for drinking water and living water use

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
188	180V-240V	300V-400V	1500W	30m /h	31m	3"	2m	<450V	≥2000W
189	180V-240V	300V-400V	2200W	36m /h	38m	3"	2m	<450V	≥3000W
190	350V-460V	480V-750V	2200W	36m /h	38m	3"	2m	<800V	≥3000W
191	350V-460V	480V-750V	3000W	36m /h	56m	3"	2m	<800V	≥4000W
192	350V-460V	480V-750V	4000W	36m /h	75m	3"	2m	<800V	≥5000W
193	350V-460V	480V-750V	5500W	36m /h	98m	3"	2m	<800V	≥6000W
194	350V-460V	480V-750V	7500W	36m /h	135m	3"	2m	<800V	≥8500W

HD-6SSC-A/D

BRUSHLESS SOLAR PUMP

ADVANTAGE FOR SOLAR WATER PUMP

- 1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
- 2. Environmental protection, clean energy, can be powered by solar panel, battery as well as AC electric.
- 3. Over-load protection, under-load protection, lock-rotor protection, thermal protection
- 4. With MPPT function
- 5. Much longer life than the normal AC water pump

APPLICATION FIELD

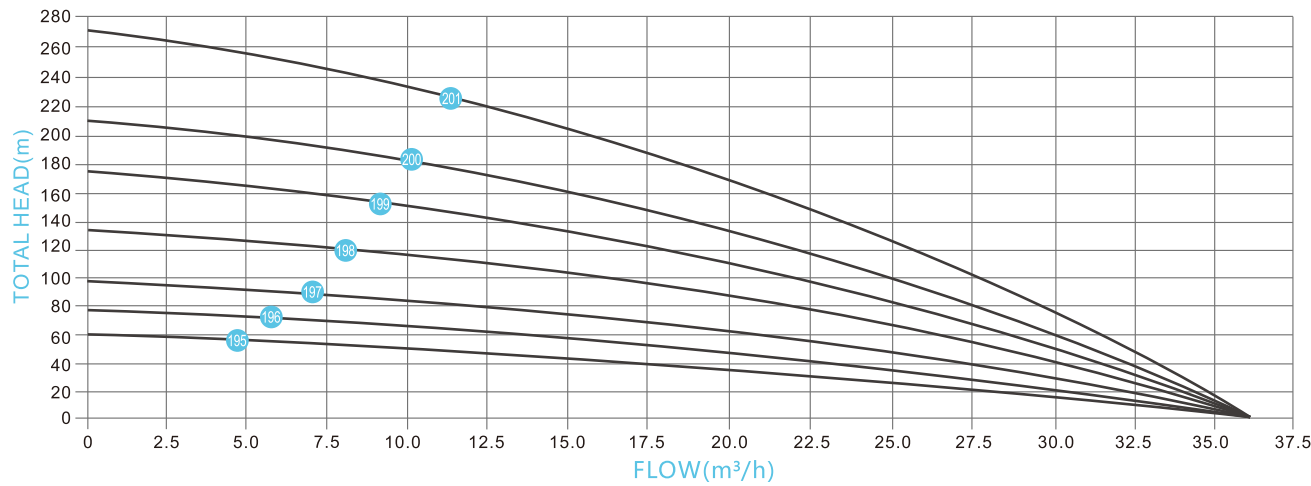
- These water pumps are used in irrigation of agriculture, also widely used for drinking water and living water use



Stainless Steel Impeller

AC/DC controller

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
195	350V-460V	480V-750V	3000W	36m³/h	60m	3"	2m	<800V	≥4000w
196	350V-460V	480V-750V	4000W	36m³/h	77m	3"	2m	<800V	≥5000w
197	350V-460V	480V-750V	5500W	36m³/h	98m	3"	2m	<800V	≥6000W
198	350V-460V	480V-750V	7500W	36m³/h	135m	3"	2m	<800V	≥8500w
199	350V-460V	480V-750V	9200W	36m³/h	175m	3"	2m	<800V	≥10000w
200	350V-460V	480V-750V	11000W	36m³/h	210m	3"	2m	<800V	≥15000w
201	350V-460V	480V-750V	15000W	36m³/h	270m	3"	2m	<800V	≥20000w

HD-6SSC-A/D

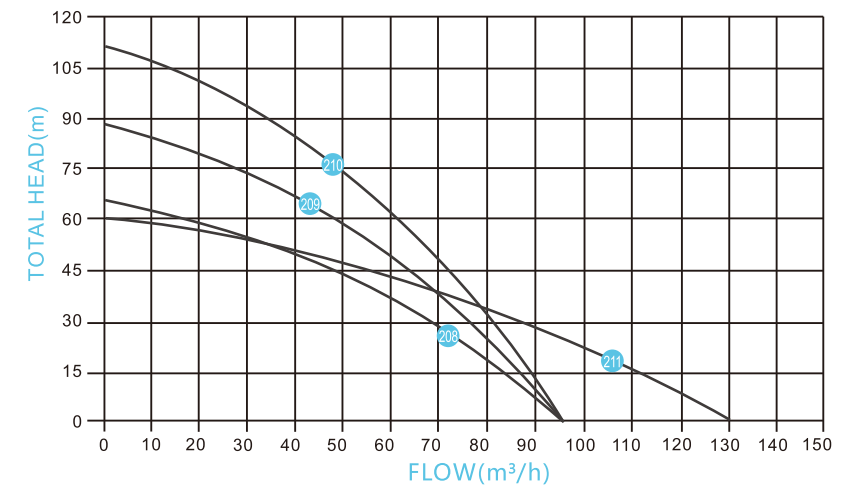
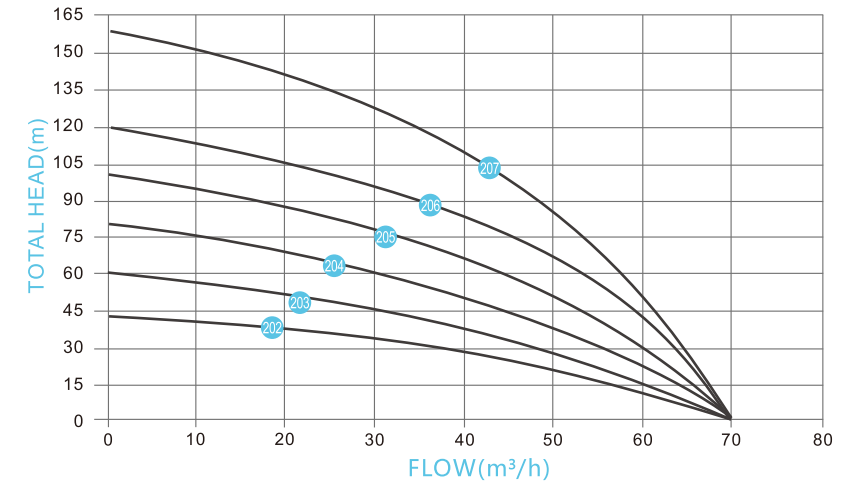
BRUSHLESS SOLAR PUMP



Stainless Steel Impeller

AC/DC controller

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
202	350V-460V	480V-750V	4000W	70m³/h	40m	4"	2m	<800V	≥5000w
203	350V-460V	480V-750V	5500W	70m³/h	60m	4"	2m	<800V	≥6000W
204	350V-460V	480V-750V	7500W	70m³/h	80m	4"	2m	<800V	≥8500w
205	350V-460V	480V-750V	9200W	70m³/h	100m	4"	2m	<800V	≥10000w
206	350V-460V	480V-750V	11000W	70m³/h	120m	4"	2m	<800V	≥15000w
207	350V-460V	480V-750V	15000W	70m³/h	160m	4"	2m	<800V	≥20000w
208	350V-460V	480V-750V	7500W	95m³/h	66m	4"	2m	<800V	≥8500w
209	350V-460V	480V-750V	11000W	95m³/h	88m	4"	2m	<800V	≥15000w
210	350V-460V	480V-750V	15000W	95m³/h	110m	4"	2m	<800V	≥20000w
211	350V-460V	480V-750V	15000W	130m³/h	60m	4"	2m	<800V	≥20000w

ADVANTAGE FOR SOLAR WATER PUMP

- 1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
- 2. Environmental protection, clean energy, can be powered by solar panel, battery as well as AC electric.
- 3. Over-load protection, under-load protection, lock-rotor protection, thermal protection
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APPLICATION FIELD

- These water pumps are used in irrigation of agriculture, also widely used for drinking water and living water use



HD-SQB/SZB

BRUSHLESS SOLAR PUMP



HD-SZB



HD-SQB



HD-SJET

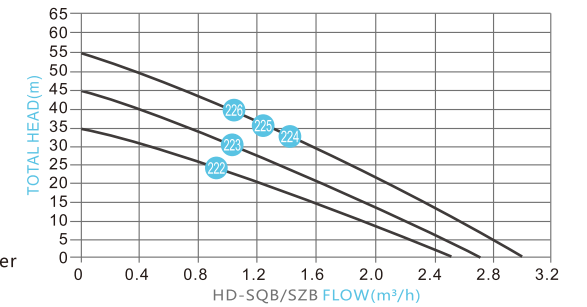
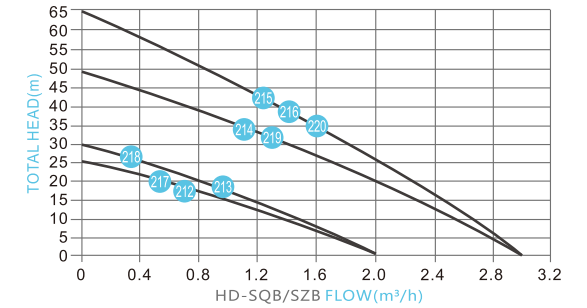


DC controller



AC/DC (NEW) controller

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
212 HD-SQB2-25-24-210	24V	30V-48V	210W	2m³/h	25m	1"x1"	2m	<50v	≥300W
213 HD-SQB2-30-24-280	24V	30V-48V	280W	2m³/h	30m	1"x1"	2m	<50v	≥400W
214 HD-SQB3-50-48-550	48V	60V-90V	550W	3m³/h	50m	1"x1"	2m	<100v	≥750W
215 HD-SQB3-65-72-750	72V	90V-120V	750W	3m³/h	65m	1"x1"	2m	<150v	≥1000W
ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
216 HD-SQB3-65-72-750-A/D	110V-240V	80V-400V	750W	3m³/h	65m	1"x1"	2m	<420v	≥1000W

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
217 HD-SZB2-25-24-210	24V	30V-48V	210W	2m³/h	25m	1"x1"	2m	<50v	≥300W
218 HD-SZB2-30-24-280	24V	30V-48V	280W	2m³/h	30m	1"x1"	2m	<50v	≥400W
219 HD-SZB3-50-48-550	48V	60V-90V	550W	3m³/h	50m	1"x1"	2m	<100v	≥750W
220 HD-SZB3-65-72-750	72V	90V-120V	750W	3m³/h	65m	1"x1"	2m	<150v	≥1000W
ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
221 HD-SZB3-65-72-750-A/D	110V-240V	80V-400V	750W	3m³/h	65m	1"x1"	2m	<420v	≥1000W

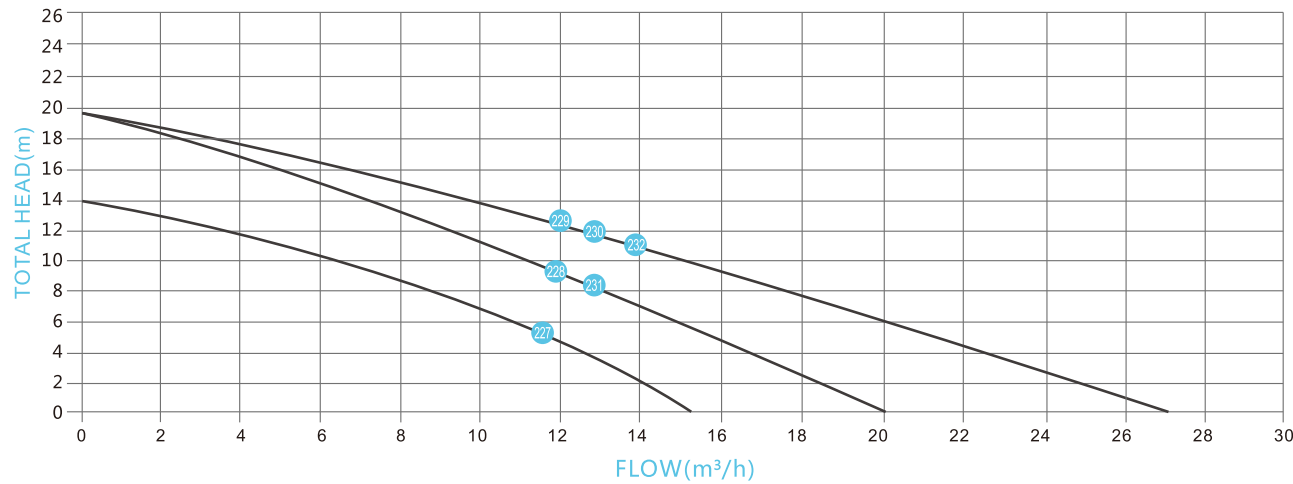
ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
222 HD-SJET2.5-35-48-370	48V	60V-90V	370W	2.5m³/h	35m	1"x1"	2m	<100v	≥500W
223 HD-SJET2.7-45-48-550	48V	60V-90V	550W	2.5m³/h	45m	1"x1"	2m	<100v	≥750W
224 HD-SJET3.0-55-48-750	48V	60V-90V	750W	3m³/h	55m	1"x1"	2m	<100v	≥1000W
225 HD-SJET3.0-55-72-750	72V	90V-120V	750W	3m³/h	55m	1"x1"	2m	<150v	≥1000W
ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
226 HD-SJET3-55-72-750-A/D	110V-240V	80V-400V	750W	3m³/h	55m	1"x1"	2m	<420v	≥1000W

HD-SSP

BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
227	48V	60V-90V	500W	15m³/h	14m	2X2"	2m	<100V	≥750W
228	72V	90V-120V	900W	20m³/h	19m	2X2"	2m	<150V	≥1200W
229	72V	90V-120V	1200W	27m³/h	19m	3X3"	2m	<150V	≥1500W
230	110V	110V-150V	1200W	27m³/h	19m	3X3"	2m	<200V	≥1500W

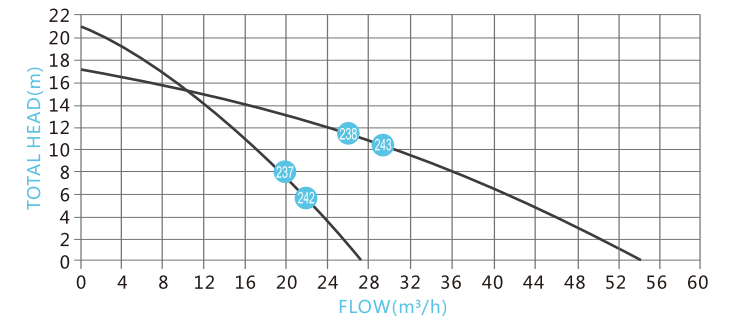
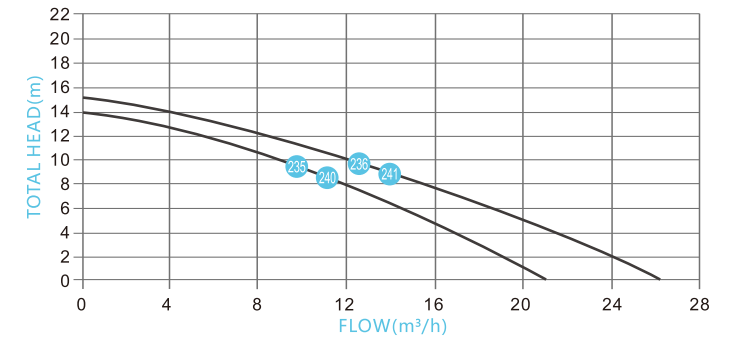
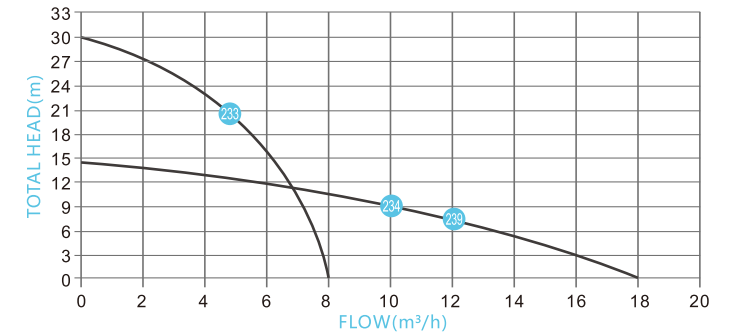
ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
231	110V-240V	80V-400V	900W	20m³/h	19m	2X2"	2m	<420V	≥1200W
232	110V-240V	80V-400V	1200W	27m³/h	19m	3X3"	2m	<420V	≥1800W

HD-SCPM

BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
233	48V	60V-90V	550W	6m³/h	30m	1"	2m	<100V	≥750W
234	48V	60V-90V	550W	18m³/h	14m	2"	2m	<100V	≥750W
235	72V	90V-120V	750W	21m³/h	14m	2"	2m	<150V	≥1000W
236	72V	90V-120V	1100W	26m³/h	15m	2"	2m	<150V	≥1500W
237	110V	110V-150V	1500W	27m³/h	21m	2"	2m	<200V	≥2000W
238	110V	110V-150V	1500W	55m³/h	17m	3"	2m	<200V	≥2000W

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
238	110V-240V	80V-400V	550W	18m³/h	14m	2"	2m	<420V	≥750W
240	110V-240V	80V-400V	750W	21m³/h	14m	2"	2m	<420V	≥1000W
241	110V-240V	80V-400V	1100W	26m³/h	15m	2"	2m	<420V	≥1500W
242	110V-240V	80V-400V	1500W	27m³/h	21m	2"	2m	<420V	≥2000W
243	110V-240V	80V-400V	1500W	55m³/h	17m	3"	2m	<420V	≥2000W

HD-SQD

BRUSHLESS SOLAR PUMP



DC controller

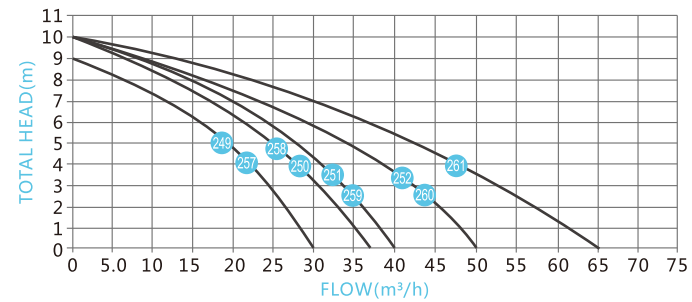
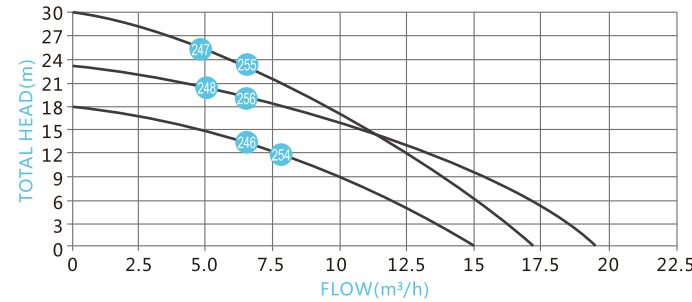
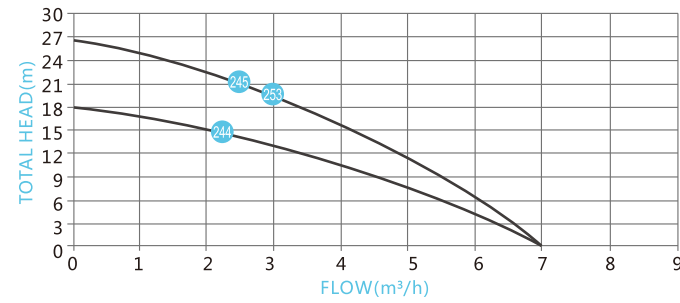


DC controller



AC/DC (NEW) controller

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
244	48V	60V-90V	550W	7.0m³/h	18m	1"	5m	<100V	≥ 750W
245	72V	90V-120V	750W	7.0m³/h	26m	1"	5m	<150V	≥ 1000W
246	72V	90V-120V	750W	15m³/h	18m	2"	5m	<150V	≥ 1000W
247	110V	110V-150V	1300W	17m³/h	30m	2"	5m	<200V	≥ 1800W
248	72V	90V-120V	1100W	19m³/h	23m	2"	5m	<150V	≥ 1500W
249	72V	90V-120V	750W	30m³/h	9m	3"	5m	<150V	≥ 1000W
250	72V	90V-120V	1100W	37m³/h	10m	3"	5m	<150V	≥ 1500W
251	110V	110V-150V	1300W	40m³/h	10m	3"	5m	<200V	≥ 1800W
252	110V	110V-150V	1500W	50m³/h	10m	3"	5m	<200V	≥ 2000W

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
253	110V-240V	80V-400V	750W	7.0m³/h	26m	1"	5m	<420V	≥ 1000W
254	110V-240V	80V-400V	750W	15m³/h	18m	2"	5m	<420V	≥ 1000W
255	110V-240V	80V-400V	1300W	17m³/h	30m	2"	5m	<420V	≥ 1800W
256	110V-240V	80V-400V	1100W	19m³/h	23m	2"	5m	<420V	≥ 1500W
257	110V-240V	80V-400V	750W	30m³/h	9m	3"	5m	<420V	≥ 1000W
258	110V-240V	80V-400V	1100W	37m³/h	10m	3"	5m	<420V	≥ 1500W
259	110V-240V	80V-400V	1300W	40m³/h	10m	3"	5m	<420V	≥ 1800W
260	110V-240V	80V-400V	1500W	50m³/h	10m	3"	5m	<420V	≥ 2000W
261	180V-240V	80V-400V	2200W	65m³/h	10m	3"	5m	<420V	≥ 3000W

HD-SOLAR AERATOR

BRUSHLESS SOLAR PUMP



Solar Aerator



Solar Paddle Wheel Aerator



Solar Impeller Aerator



Steam explosion



DC controller



DC controller



AC/DC (NEW) controller

SOLAR AERATOR

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Solar panel	
							open voltage	Power
262	48V	60V-90V	750W	27m³/h	5m	3"	<100V	≥ 1000W
263	72V	90V-120V	1100W	32m³/h	7m	3"	<150V	≥ 1500W
264	110V	110V-150V	1500W	43m³/h	7m	3"	<200V	≥ 2000W

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Solar panel	
							open voltage	Power
265	110V-240V	80V-400V	1100W	32m³/h	7m	3"	<420V	≥ 1500W
266	110V-240V	80V-400V	1500W	43m³/h	7m	3"	<420V	≥ 2000W
267	180V-240V	80V-400V	2200W	60m³/h	5m	4"	<420V	≥ 3000W

SOLAR PADDLE WHEEL AERATOR

ITEM	Voltage	Best DC Voltage	Power	Oxygenation rate(kgo/h)	Covering Area(m²)	Quantity of impeller	Solar panel	
							open voltage	Power
268	110V	110V-150V	1500W	≥ 1.1	2000-6000	4	<200V	≥ 2000W

ITEM	AC Voltage	DC Voltage	Power	Oxygenation rate(kgo/h)	Covering Area(m²)	Quantity of impeller	Solar panel	
							open voltage	Power
269	110V-240V	80V-400V	1500W	≥ 1.1	2000-6000	4	<420V	≥ 2000W
270	180V-240V	80V-400V	2200W	≥ 1.5	2665-8000	8	<420V	≥ 3000W

SOLAR IMPELLER AERATOR

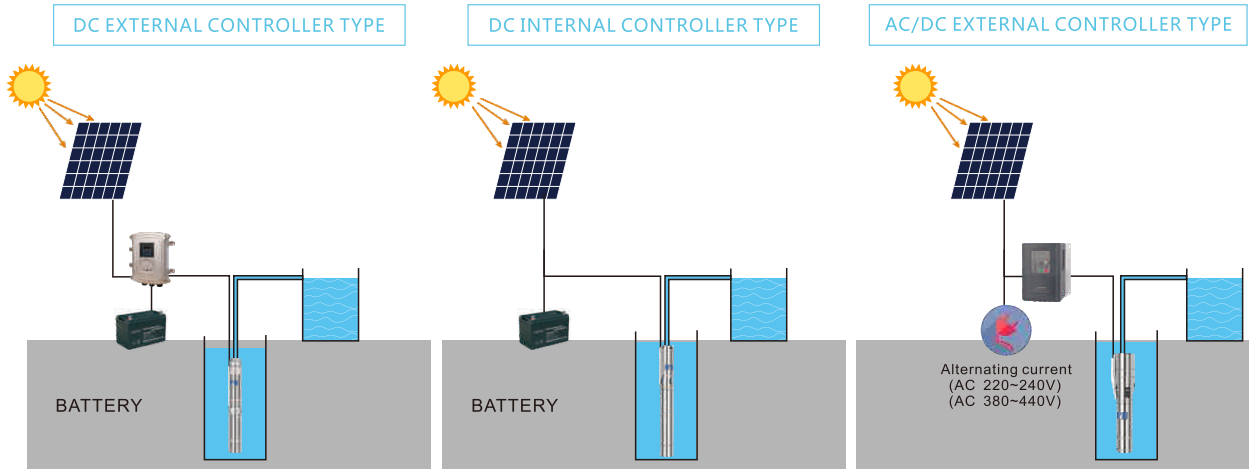
ITEM	Voltage	Best DC Voltage	Power	Oxygenation rate(kgo/h)	Covering Area(m²)	Solar panel	
						open voltage	Power
271	110V	110V-150V	1500W	≥ 1.6	2000-4000	<200V	≥ 2000W

ITEM	AC Voltage	DC Voltage	Power	Oxygenation rate(kgo/h)	Covering Area(m²)	Solar panel	
						open voltage	Power
272	110V-240V	80V-400V	1500W	≥ 1.6	2000-4000	<420V	≥ 2000W
273	180V-240V	80V-400V	2200W	≥ 1.8	2665-5320	<420V	≥ 3000W
274	350V-460V	480V-750V	3000W	≥ 4.5	2665-5328	<800V	≥ 4000W

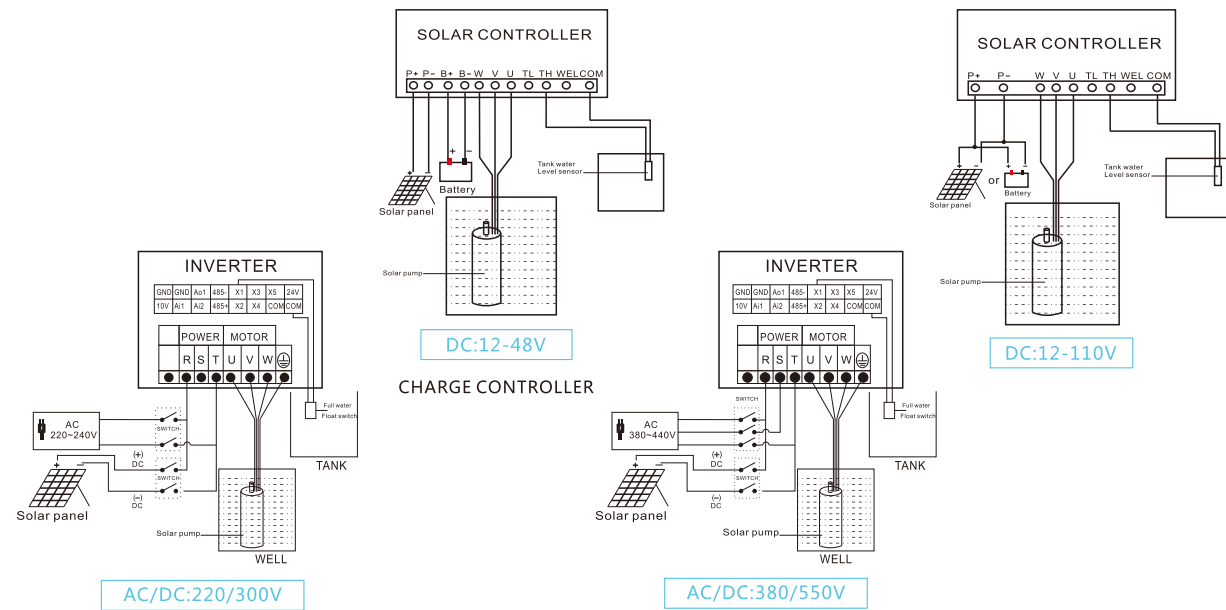
STEAM EXPLOSION

ITEM	Voltage	Best DC Voltage	Power	Oxygenation rate(kgo/h)	Covering Area(m²)	Solar panel	
						open voltage	Power
275	110V	110V-150V	1100W	≥ 1.1	2000-3500	<200V	≥ 1500W
276	110V	110V-150V	1500W	≥ 1.5	3500-5500	<200V	≥ 2000W

ITEM	AC Voltage	DC Voltage	Power	Oxygenation rate(kgo/h)	Covering Area(m²)	Solar panel	
						open voltage	Power
277	110V-240V	80V-400V	1100W	≥ 1.1	2000-3500	<420V	≥ 1500W
278	110V-240V	80V-400V	1500W	≥ 1.5	3500-5500	<420V	≥ 2000W
279	180V-240V	80V-400V	2200W	≥ 3.0	5500-8000	<420V	≥ 3000W



SYSTEM INSTALLATION DRAWING



WORKING ENVIRONMENT AND ELECTRICAL PROPERTY

Controller and Pump Matching Method					
Controller Model	Adaptable Pump	Max.Input Current (A)	Max.Open Voltage (V)	MPPT Voltage Range (V)	Working Temperature (°C)
HD-12	Rated 12V Pump	15	<48	30-48	-15-60
HD-24	Rated 24V Pump	15	<48	30-48	-15-60
HD-36	Rated 36V Pump	15	<48	30-58	-15-60
HD-48	Rated 48V Pump	15	<100	60-90	-15-60
HD-72	Rated 72V Pump	15	<150	90-120	-15-60
HD-110	Rated 110V Pump	15	<200	110-150	-15-60
HD-220	Rated 220V Pump	15	<450	300-400	-15-60
HD-380	Rated 380V Pump	15	<800	480-750	-15-60

Best protection



FREE ACCESSORIES



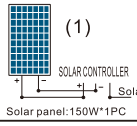
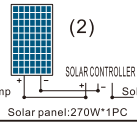
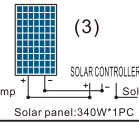
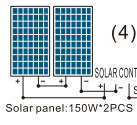
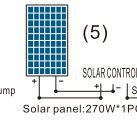
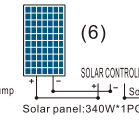
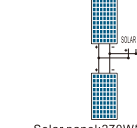
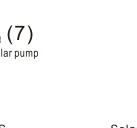
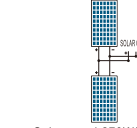
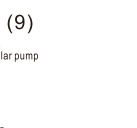
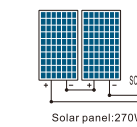
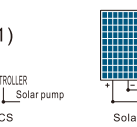
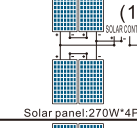
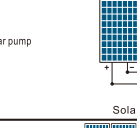
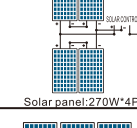
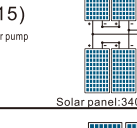
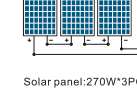
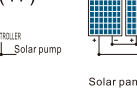
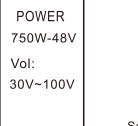
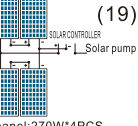
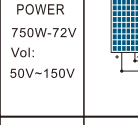
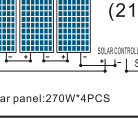
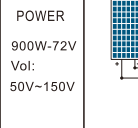
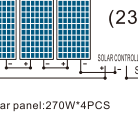
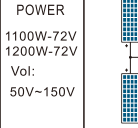
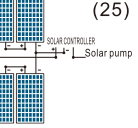
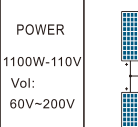
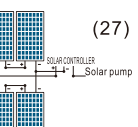
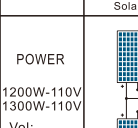
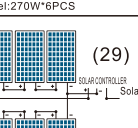
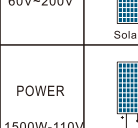
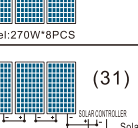
FREE ACCESSORIES



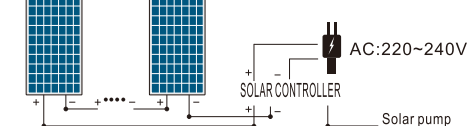
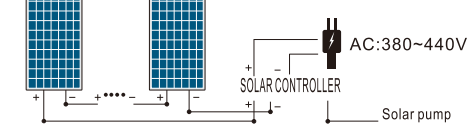
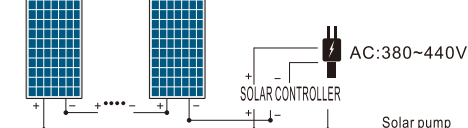
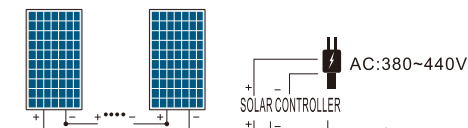
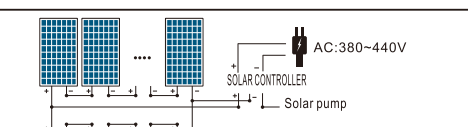
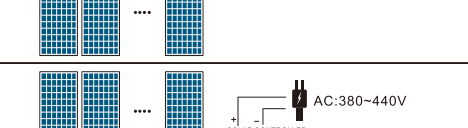
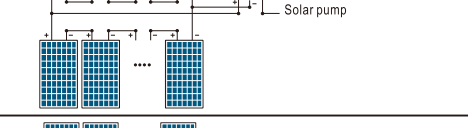
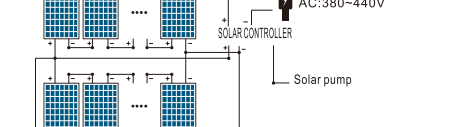
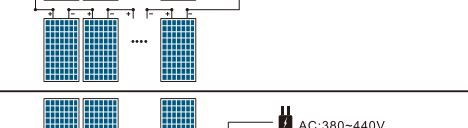
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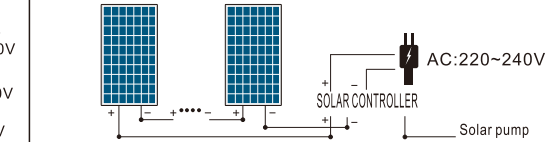
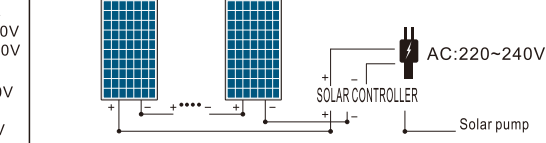
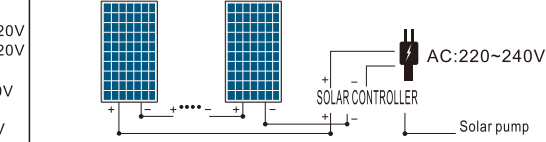
Solar panel recommendation for 12V-110V DC solar pump

POWER 80W-12V Vol: 18V-50V	 (1) Solar panel:150W*1PC	 (2) Solar panel:270W*1PC	 (3) Solar panel:340W*1PC
POWER 120W-24V 180W-24V 200W-24V 210W-24V 210W-36V Vol: 18V-50V	 (4) Solar panel:150W*2PCS	 (5) Solar panel:270W*1PC	 (6) Solar panel:340W*1PC
POWER 280W-24V 300W-24V Vol: 18V-50V	 (7) Solar panel:270W*2PCS	 (8) Solar panel:340W*2PCS	
POWER 400W-36V Vol: 18V-48V	 (9) Solar panel:270W*2PCS	 (10) Solar panel:340W*2PCS	
POWER 370W-48V 400W-48V Vol: 30V-100V	 (11) Solar panel:270W*2PCS	 (12) Solar panel:340W*2PCS	
POWER 500W-48V 550W-48V Vol: 30V-100V	 (13) Solar panel:270W*4PCS	 (14) Solar panel:340W*2PCS	
POWER 600W-48V Vol: 30V-100V	 (15) Solar panel:270W*4PCS	 (16) Solar panel:340W*4PCS	
POWER 600W-72V Vol: 50V-150V	 (17) Solar panel:270W*3PCS	 (18) Solar panel:340W*3PCS	
POWER 750W-48V Vol: 30V-100V	 (19) Solar panel:270W*4PCS	 (20) Solar panel:340W*4PCS	
POWER 750W-72V Vol: 50V-150V	 (21) Solar panel:270W*4PCS	 (22) Solar panel:340W*3PCS	
POWER 900W-72V Vol: 50V-150V	 (23) Solar panel:270W*4PCS	 (24) Solar panel:340W*3PCS	
POWER 1100W-72V 1200W-72V Vol: 50V-150V	 (25) Solar panel:270W*6PCS	 (26) Solar panel:340W*6PCS	
POWER 1100W-110V Vol: 60V-200V	 (27) Solar panel:270W*6PCS	 (28) Solar panel:340W*6PCS	
POWER 1200W-110V 1300W-110V Vol: 60V-200V	 (29) Solar panel:270W*8PCS	 (30) Solar panel:340W*6PCS	
POWER 1500W-110V Vol: 60V-200V	 (31) Solar panel:270W*8PCS	 (32) Solar panel:340W*8PCS	

Solar panel recommendation for 220V-380V AC/DC solar pump

POWER 2200W-220V AC Vol. 110V-240V DC Vol. 80V-400V		Solar panel:270W*10PCS Solar panel:340W*8PCS
POWER 2200W-380V AC Vol. 380V-440V DC Vol. 350V-800V		Solar panel:270W*13PCS Solar panel:340W*12PCS
POWER 3000W-380V AC Vol. 380V-440V DC Vol. 350V-800V		Solar panel:270W*15PCS Solar panel:340W*12PCS
POWER 4000W-380V AC Vol. 380V-440V DC Vol. 350V-800V		Solar panel:270W*19PCS Solar panel:340W*15PCS
POWER 5500W-380V AC Vol. 380V-440V DC Vol. 350V-800V		Solar panel:270W*26PCS Solar panel:340W*22PCS
POWER 7500W-380V AC Vol. 380V-440V DC Vol. 350V-800V		Solar panel:270W*36PCS Solar panel:340W*30PCS
POWER 9200W-380V AC Vol. 380V-440V DC Vol. 350V-800V		Solar panel:270W*45PCS Solar panel:340W*36PCS
POWER 11000W-380V AC Vol. 380V-440V DC Vol. 350V-800V		Solar panel:270W*54PCS Solar panel:340W*42PCS
POWER 15000W-380V AC Vol. 380V-440V DC Vol. 350V-800V		Solar panel:270W*76PCS Solar panel:340W*60PCS

Solar panel recommendation for 220V-380V AC/DC solar pump

POWER 750W-220V AC Vol. 110V-240V DC Vol. 80V-400V		Solar panel:270W*(3~7)PCS Solar panel:340W*(3~6)PCS
POWER 1100W-220V 1200W-220V AC Vol. 110V-240V DC Vol. 80V-400V		Solar panel:270W*(6~8)PCS Solar panel:340W*(5~7)PCS
POWER 1300W-220V 1500W-220V AC Vol. 110V-240V DC Vol. 80V-400V		Solar panel:270W*(8~9)PCS Solar panel:340W*(6~8)PCS