

HANDURO®



HANDURO®

SOLAR PUMP



Handuro Submersible Water Pumps

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



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HD-2SS

BRUSHLESS SOLAR PUMP

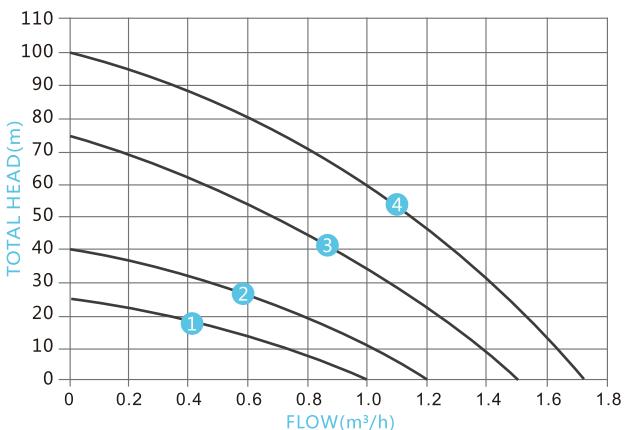

ADVANTAGE FOR SOLAR WATER PUMP

- 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

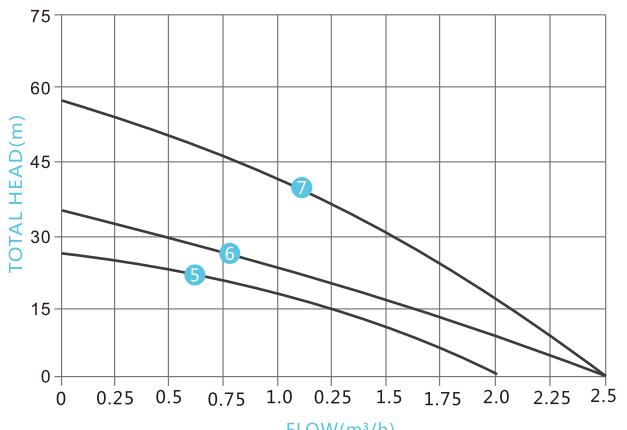

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PERFORMANCE CURVES



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

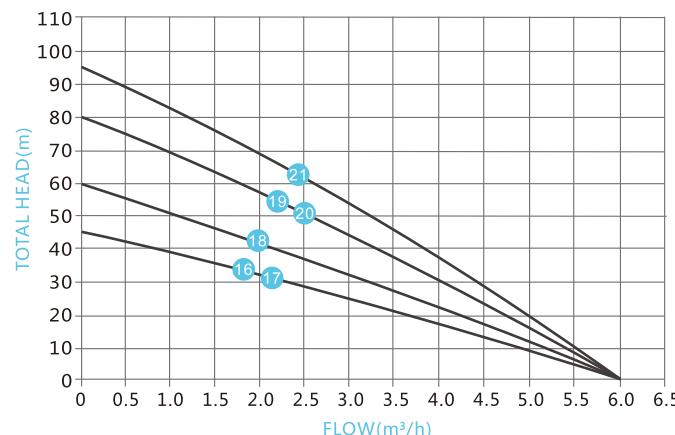
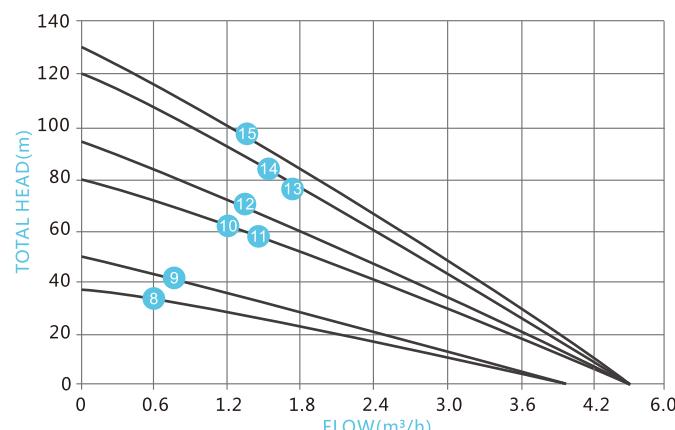
HD-3SSC

BRUSHLESS SOLAR PUMP



QUALITY FIRST SERVICE BEST

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

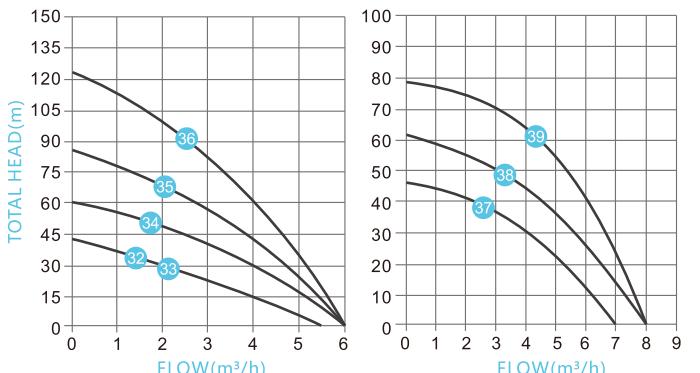
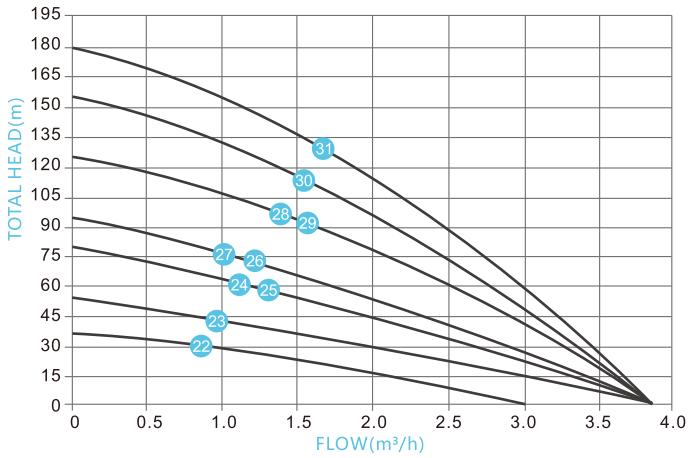
BRUSHLESS SOLAR PUMP

**ADVANTAGE FOR SOLAR WATER PUMP**

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- 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

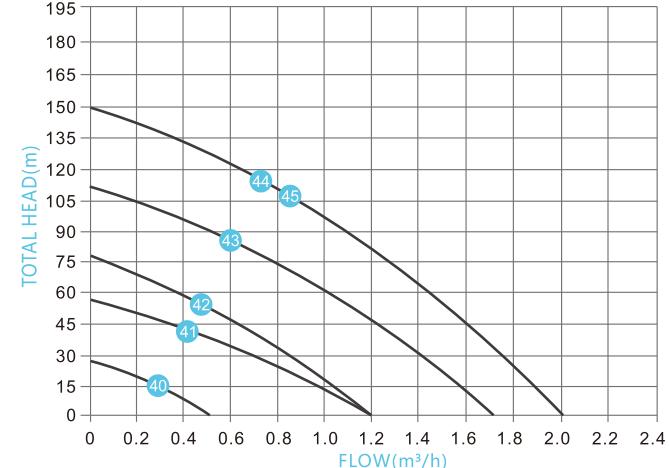
- These water pumps are used in irrigation of agriculture, also widely used for drinking water and living water use

PERFORMANCE CURVES**TECHNICAL DATA**

ITEM	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

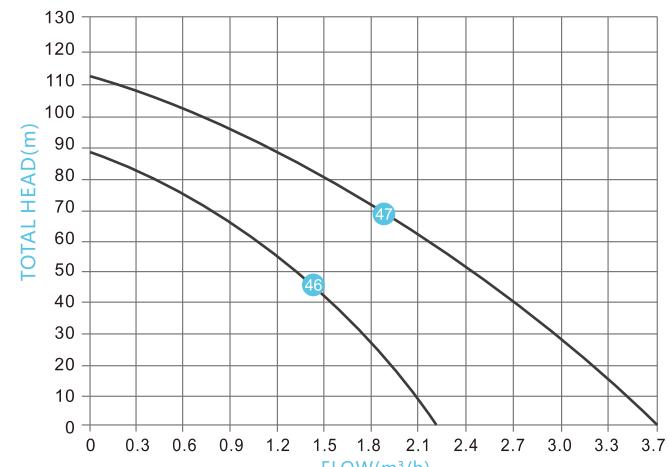
BRUSHLESS SOLAR PUMP

**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

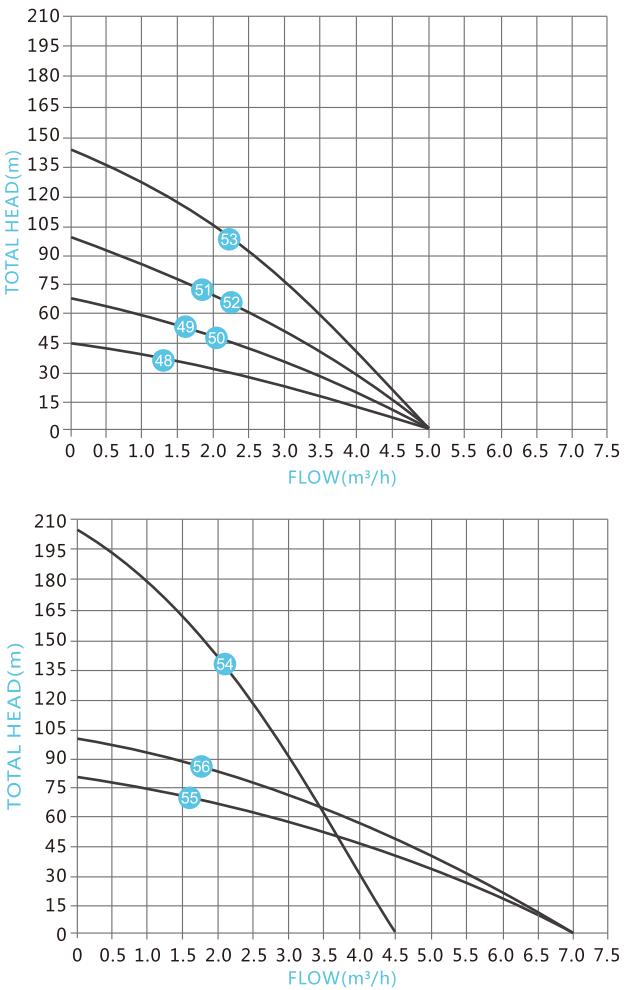
BRUSHLESS SOLAR PUMP

**PERFORMANCE CURVES****TECHNICAL DATA**

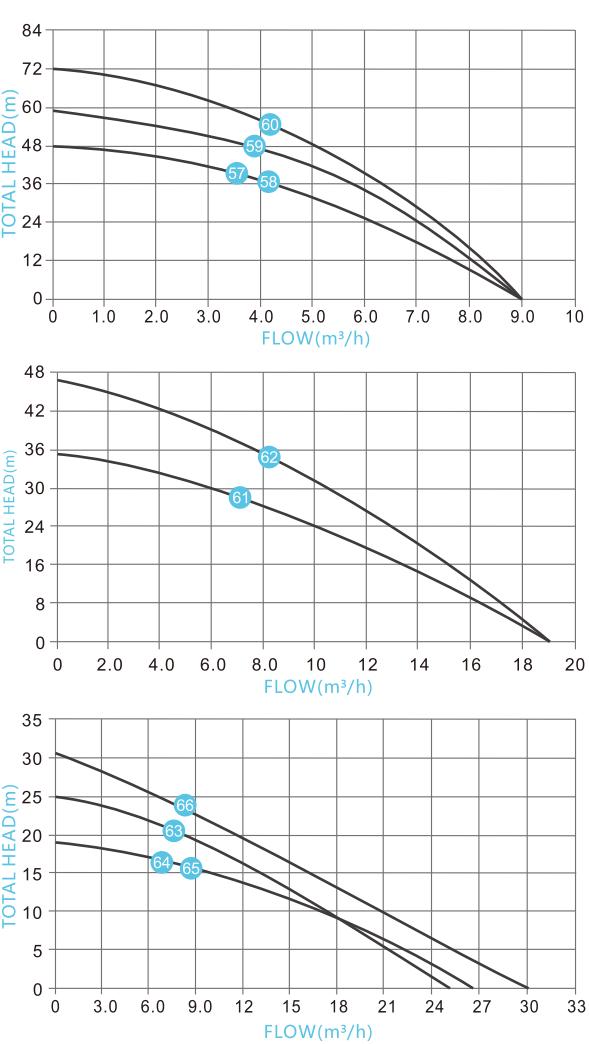
ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
46	48V	60V-90V	600W	2.2m³/h	88m	1"	2m	<100V	≥750W
47	72V	90V-120V	750W	3.7m³/h	112m	1"	2m	<150V	≥1000W

HD-4SSC

BRUSHLESS SOLAR PUMP

**PERFORMANCE CURVES****HD-4SSC**

BRUSHLESS SOLAR PUMP

**PERFORMANCE CURVES****TECHNICAL DATA**

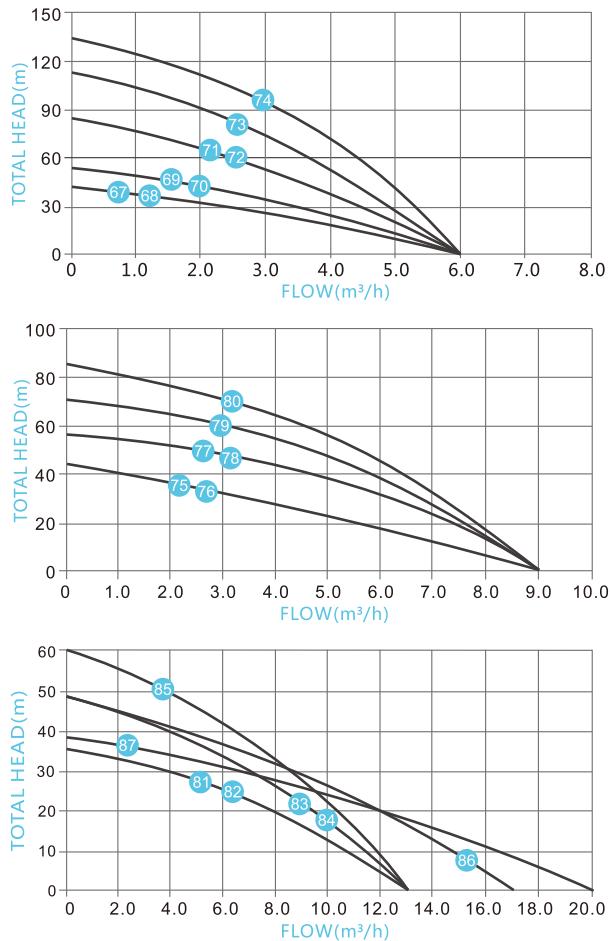
ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
48 HD-4SSC5-45-48-500	48V	60V-90V	500W	5.0m³/h	45m	1.25"	2m	<100V	≥600W
49 HD-4SSC5-67-48-750	48V	60V-90V	750W	5.0m³/h	67m	1.25"	2m	<100V	≥1000W
50 HD-4SSC5-67-72-750	72V	90V-120V	750W	5.0m³/h	67m	1.25"	2m	<150V	≥1000W
51 HD-4SSC5-101-72-1100	72V	90V-120V	1100W	5.0m³/h	101m	1.25"	2m	<150V	≥1500W
52 HD-4SSC5-101-110-1100	110V	110V-150V	1100W	5.0m³/h	101m	1.25"	2m	<200V	≥1500W
53 HD-4SSC5-146-110-1300	110V	110V-150V	1300W	5.0m³/h	146m	1.25"	2m	<200V	≥1800W
54 HD-4SSC4.5-203-110-1500	110V	110V-150V	1500W	4.5m³/h	203m	1.25"	2m	<200V	≥2000W
55 HD-4SSC7-80-110-1300	110V	110V-150V	1300W	7.0m³/h	80m	1.25"	2m	<200V	≥1800W
56 HD-4SSC7-100-110-1500	110V	110V-150V	1500W	7.0m³/h	100m	1.25"	2m	<200V	≥2000W

TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
57 HD-4SSC9-48-72-750	72V	90V-120V	750W	9m³/h	48m	2"	2m	<150V	≥1000W
58 HD-4SSC9-48-110-750	110V	110V-150V	750W	9m³/h	48m	2"	2m	<200V	≥1000W
59 HD-4SSC9-59-110-1300	110V	110V-150V	1300W	9m³/h	59m	2"	2m	<200V	≥1800W
60 HD-4SSC9-72-110-1500	110V	110V-150V	1500W	9m³/h	72m	2"	2m	<200V	≥2000W
61 HD-4SSC19-35-110-1300	110V	110V-150V	1300W	19m³/h	35m	2"	2m	<200V	≥1800W
62 HD-4SSC19-46-110-1500	110V	110V-150V	1500W	19m³/h	46m	2"	2m	<200V	≥2000W
63 HD-4SSC25-25-110-1500	110V	110V-150V	1500W	25m³/h	25m	2"	2m	<200V	≥2000W
64 HD-4/6SSC26-18-72-1100	72V	90V-120V	1100W	26m³/h	18m	2"	2m	<150V	≥1500W
65 HD-4/6SSC26-18-110-1100	110V	110V-150V	1100W	26m³/h	18m	2"	2m	<200V	≥1500W
66 HD-4/6SSC30-31-110-1500	110V	110V-150V	1500W	30m³/h	31m	2"	2m	<200V	≥2000W

HD-4SC

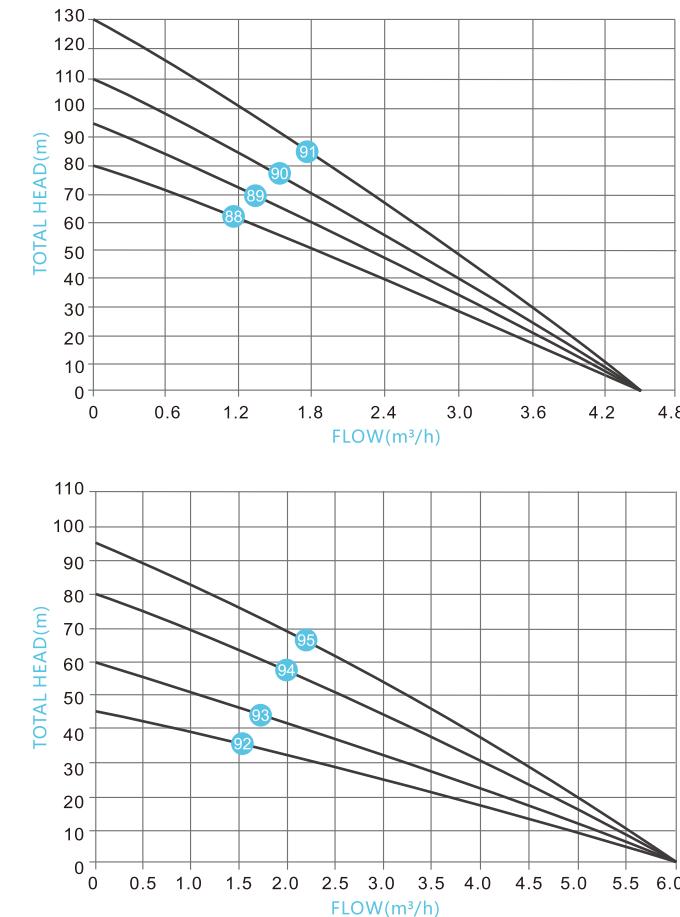
BRUSHLESS SOLAR PUMP

**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**

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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

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

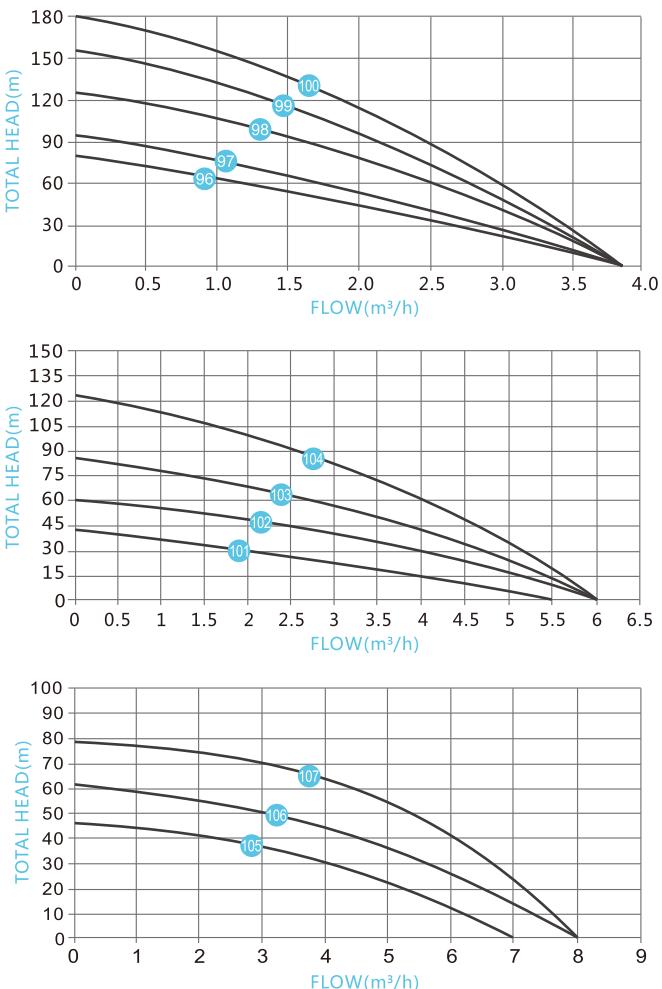
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PERFORMANCE CURVES



TECHNICAL DATA

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
96	HD-3SC3.8-80-72-600-A/D	110V-240V	80V-400V	600W	3.8m³/h	80m	1.25"	2m	<420V ≥750W
97	HD-3SC3.8-95-72-750-A/D	110V-240V	80V-400V	750W	3.8m³/h	95m	1.25"	2m	<420V ≥1000W
98	HD-3SC3.8-123-110-1100-A/D	110V-240V	80V-400V	1100W	3.8m³/h	123m	1.25"	2m	<420V ≥1500W
99	HD-3SC3.8-155-110-1300-A/D	110V-240V	80V-400V	1300W	3.8m³/h	155m	1.25"	2m	<420V ≥1800W
100	HD-3SC3.8-180-110-1500-A/D	110V-240V	80V-400V	1500W	3.8m³/h	180m	1.25"	2m	<420V ≥2000W
101	HD-3SC5.5-42-72-600-A/D	110V-240V	80V-400V	600W	5.5m³/h	42m	1.25"	2m	<420V ≥750W
102	HD-3SC6-60-72-750-A/D	110V-240V	80V-400V	750W	6m³/h	60m	1.25"	2m	<420V ≥1000W
103	HD-3SC6-85-110-1100-A/D	110V-240V	80V-400V	1100W	6m³/h	85m	1.25"	2m	<420V ≥1500W
104	HD-3SC6-125-110-1500-A/D	110V-240V	80V-400V	1500W	6m³/h	125m	1.25"	2m	<420V ≥2000W
105	HD-3SC7-46-72-750-A/D	110V-240V	80V-400V	750W	7m³/h	46m	1.25"/1.5"	2m	<420V ≥1000W
106	HD-3SC8-62-110-1100-A/D	110V-240V	80V-400V	1100W	8m³/h	62m	1.25"/1.5"	2m	<420V ≥1500W
107	HD-3SC8-78-110-1500-A/D	110V-240V	80V-400V	1500W	8m³/h	78m	1.25"/1.5"	2m	<420V ≥2000W

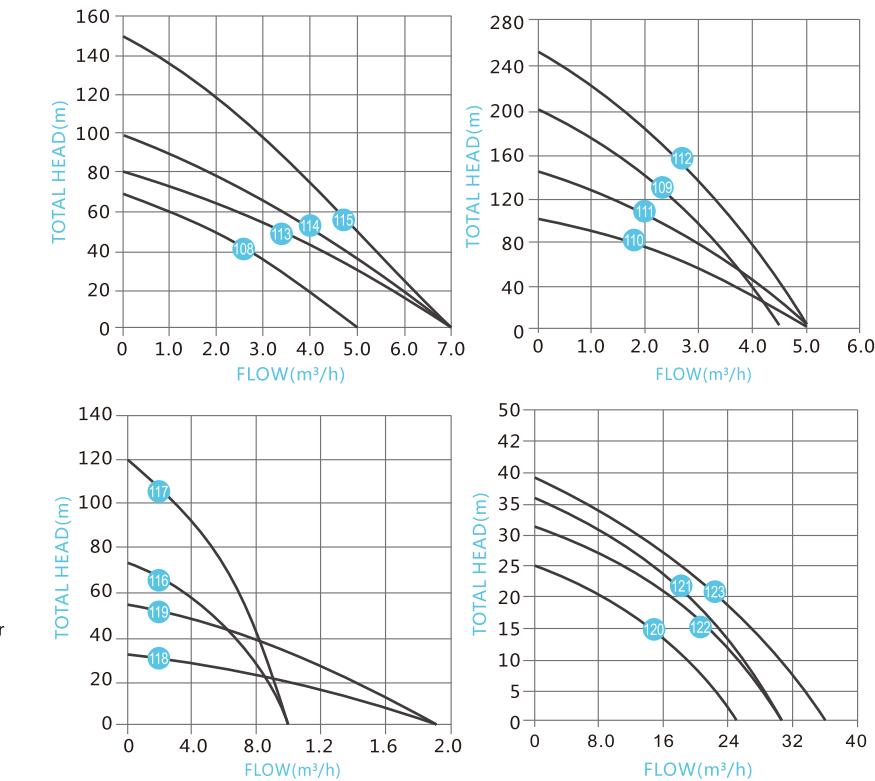
QUALITY FIRST SERVICE BEST

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	HD-4SSC5-67-72-750-A/D	110V-240V	80V-400V	750W	5m³/h	67m	1.25"	2m	<420V ≥1000W
109	HD-4SSC4.5-203-110-1500-A/D	110V-240V	80V-400V	1500W	4.5m³/h	203m	1.25"	2m	<420V ≥2000W
110	HD-4SSC5-101-110-1100-A/D	110V-240V	80V-400V	1100W	5m³/h	101m	1.25"	2m	<420V ≥1500W
111	HD-4SSC5-146-110-1300-A/D	110V-240V	80V-400V	1300W	5m³/h	146m	1.25"	2m	<420V ≥1800W
112	HD-4SSC5-255-220-2200-A/D	180V-240V	80V-400V	2200W	5m³/h	255m	1.25"	2m	<420V ≥3000W
113	HD-4SSC7-80-110-1300-A/D	110V-240V	80V-400V	1300W	7m³/h	80m	1.25"	2m	<420V ≥1800W
114	HD-4SSC7-100-110-1500-A/D	110V-240V	80V-400V	1500W	7m³/h	100m	1.25"	2m	<420V ≥2000W
115	HD-4SSC7-150-220-2200-A/D	180V-240V	80V-400V	2200W	7m³/h	150m	1.25"	2m	<420V ≥3000W
116	HD-4SSC9-72-110-1500-A/D	110V-240V	80V-400V	1500W	9m³/h	72m	2"	2m	<420V ≥2000W
117	HD-4SSC9-120-220-2200-A/D	180V-240V	80V-400V	2200W	9m³/h	120m	2"	2m	<420V ≥3000W
118	HD-4SSC19-34-110-1500-A/D	110V-240V	80V-400V	1500W	19m³/h	34m	2"	2m	<420V ≥2000W
119	HD-4SSC19-57-220-2200-A/D	180V-240V	80V-400V	2200W	19m³/h	57m	2"	2m	<420V ≥3000W
120	HD-4SSC25-25-110-1500-A/D	110V-240V	80V-400V	1500W	25m³/h	25m	2"	2m	<420V ≥2000W
121	HD-4SSC30-36-220-2200-A/D	180V-240V	80V-400V	2200W	30m³/h	36m	2"	2m	<420V ≥3000W
122	HD-4/6SSC30-31-110-1500-A/D	110V-240V	80V-400V	1500W	30m³/h	31m	3"	2m	<420V ≥2000W
123	HD-4/6SSC36-38-220-2200-A/D	180V-240V	80V-400V	2200W	36m³/h	38m	3"	2m	<420V ≥3000W

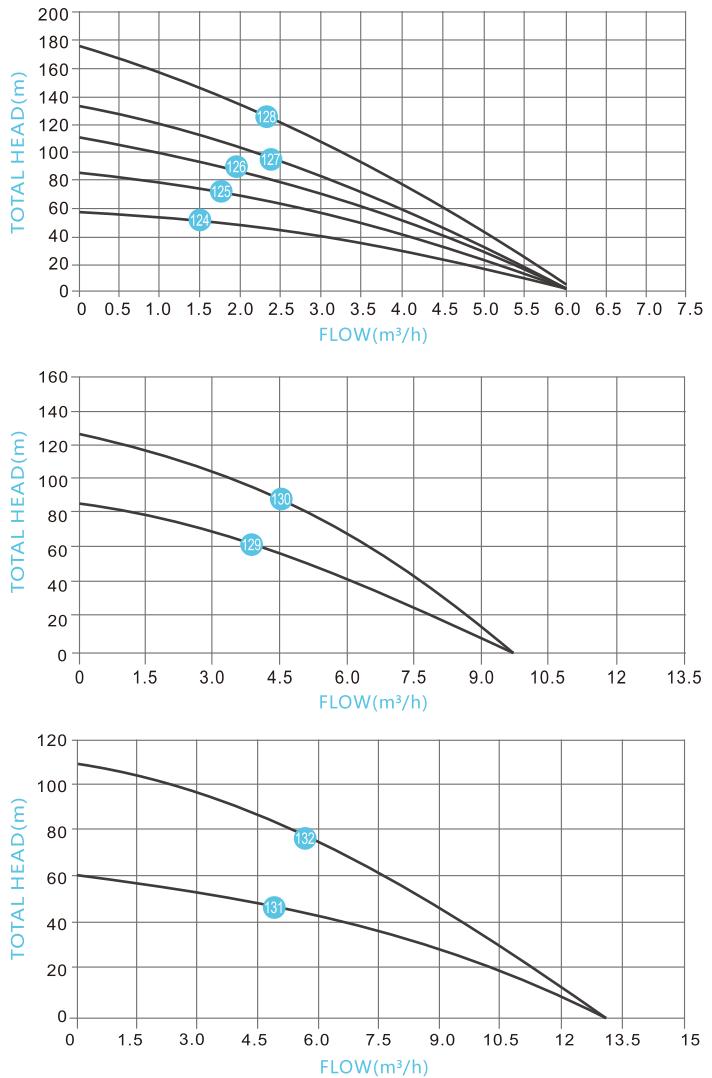
HD-4SC-A/D (80V-400V)

BRUSHLESS SOLAR PUMP





PERFORMANCE CURVES



TECHNICAL DATA

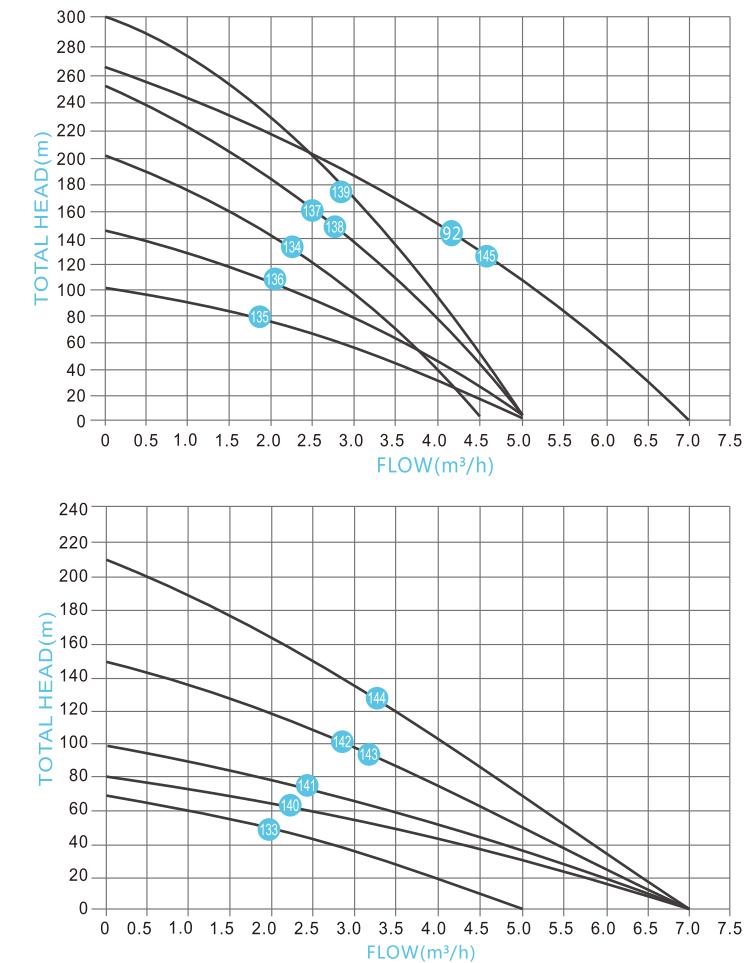
ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
124 HD-4SC6-56-72-750-A/D	110V-240V	80V-400V	750W	6m³/h	56m	2"	2m	<420V	≥1000W
125 HD-4SC6-84-110-1100-A/D	110V-240V	80V-400V	1100W	6m³/h	84m	2"	2m	<420V	≥1500W
126 HD-4SC6-112-110-1300-A/D	110V-240V	80V-400V	1300W	6m³/h	112m	2"	2m	<420V	≥1800W
127 HD-4SC6-135-110-1500-A/D	110V-240V	80V-400V	1500W	6m³/h	135m	2"	2m	<420V	≥2000W
128 HD-4SC6-175-220-2200-A/D	180V-240V	80V-400V	2200W	6m³/h	175m	2"	2m	<420V	≥3000W
129 HD-4SC9.5-85-110-1500-A/D	110V-240V	80V-400V	1500W	9.5m³/h	85m	2"	2m	<420V	≥2000W
130 HD-4SC9.5-125-220-2200-A/D	180V-240V	80V-400V	2200W	9.5m³/h	125m	2"	2m	<420V	≥3000W
131 HD-4SC13-60-110-1500-A/D	110V-240V	80V-400V	1500W	13m³/h	60m	2"	2m	<420V	≥2000W
132 HD-4SC13-110-220-2200-A/D	180V-240V	80V-400V	2200W	13m³/h	110m	2"	2m	<420V	≥3000W

HD-4SSC-A/D

BRUSHLESS SOLAR PUMP



■ PERFORMANCE CURVES

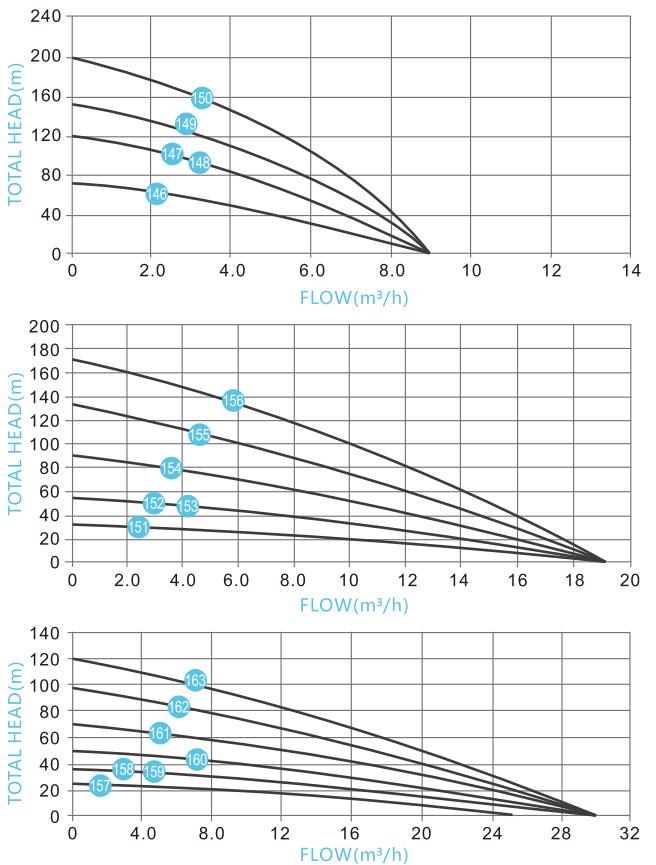


TECHNICAL DATA

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
133 HD-4SSC5-67-220-750-A/D	180V-240V	300V-400V	750W	5m³/h	67m	1.25"	2m	<450V	≥1800W
134 HD-4SSC4.5-203-220-1500-A/D	180V-240V	300V-400V	1500W	4.5m³/h	203m	1.25"	2m	<450V	≥2000W
135 HD-4SSC5-101-220-1100-A/D	180V-240V	300V-400V	1100W	5m³/h	101m	1.25"	2m	<450V	≥1500W
136 HD-4SSC5-146-220-1300-A/D	180V-240V	300V-400V	1300W	5m³/h	146m	1.25"	2m	<450V	≥1800W
137 HD-4SSC5-255-220-2200-A/D	180V-240V	300V-400V	2200W	5m³/h	255m	1.25"	2m	<450V	≥3000W
138 HD-4SSC5-255-380-2200-A/D	350V-460V	480V-750V	2200W	5m³/h	255m	1.25"	2m	<800V	≥3000W
139 HD-4SSC5-300-380-3000-A/D	350V-460V	480V-750V	3000W	5m³/h	300m	1.25"	2m	<800V	≥4000W
140 HD-4SSC7-80-220-1300-A/D	180V-240V	300V-400V	1300W	7m³/h	80m	1.25"	2m	<450V	≥1800W
141 HD-4SSC7-100-220-1500-A/D	180V-240V	300V-400V	1500W	7m³/h	100m	1.25"	2m	<450V	≥2000W
142 HD-4SSC7-150-220-2200-A/D	180V-240V	300V-400V	2200W	7m³/h	150m	1.25"	2m	<450V	≥3000W
143 HD-4SSC7-150-380-2200-A/D	350V-460V	480V-750V	2200W	7m³/h	150m	1.25"	2m	<800V	≥3000W
144 HD-4SSC7-210-380-3000-A/D	350V-460V	480V-750V	3000W	7m³/h	210m	1.25"	2m	<800V	≥4000W
145 HD-4SSC7-265-380-4000-A/D	350V-460V	480V-750V	4000W	7m³/h	265m	1.25"	2m	<800V	≥5000W

HD-4SSC-A/D

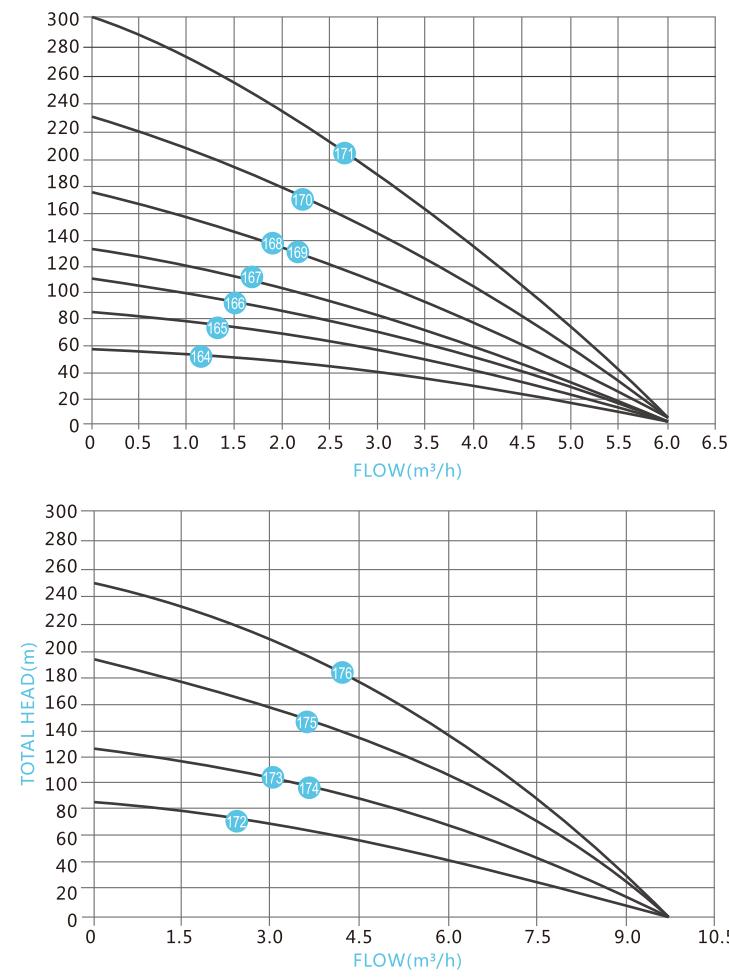
BRUSHLESS SOLAR PUMP

**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
155 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

**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

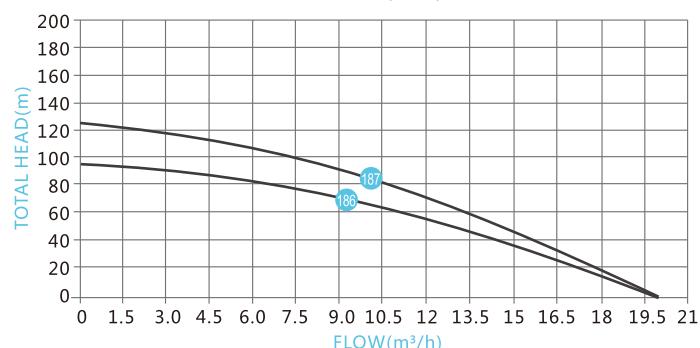
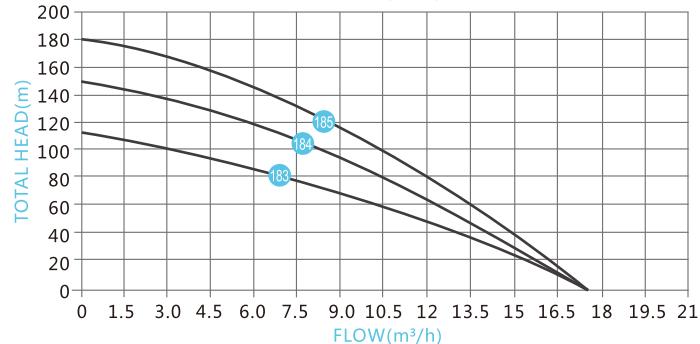
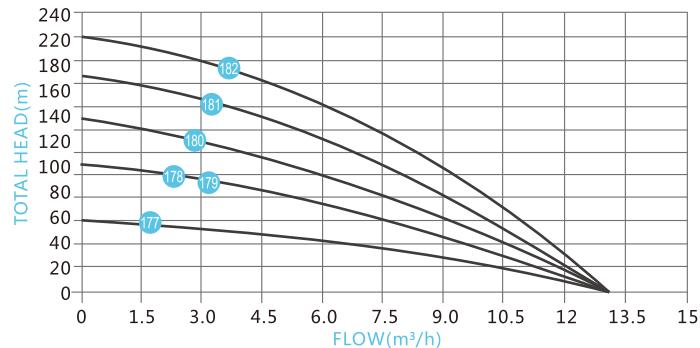


ADVANTAGE FOR SOLAR WATER PUMP

- 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
177	HD-4SC13-60-220-1500-A/D	180V-240V	300V-400V	1500W	13m³/h	60m	2"	2m	<450V ≥2000W
178	HD-4SC13-110-220-2200-A/D	180V-240V	300V-400V	2200W	13m³/h	110m	2"	2m	<450V ≥3000W
179	HD-4SC13-110-380-2200-A/D	350V-460V	480V-750V	2200W	13m³/h	110m	2"	2m	<800V ≥3000W
180	HD-4SC13-150-380-3000-A/D	350V-460V	480V-750V	3000W	13m³/h	150m	2"	2m	<800V ≥4000W
181	HD-4SC13-185-380-4000-A/D	350V-460V	480V-750V	4000W	13m³/h	185m	2"	2m	<800V ≥5000W
182	HD-4SC13-220-380-5500-A/D	350V-460V	480V-750V	5500W	13m³/h	220m	2"	2m	<800V ≥6000W
183	HD-4SC17-112-380-3000-A/D	350V-460V	480V-750V	3000W	17m³/h	112m	2"	2m	<800V ≥4000W
184	HD-4SC17-150-380-4000-A/D	350V-460V	480V-750V	4000W	17m³/h	150m	2"	2m	<800V ≥5000W
185	HD-4SC17-180-380-5500-A/D	350V-460V	480V-750V	5500W	17m³/h	180m	2"	2m	<800V ≥6000W
186	HD-4SC20-98-380-4000-A/D	350V-460V	480V-750V	4000W	20m³/h	98m	2"	2m	<800V ≥5000W
187	HD-4SC20-125-380-5500-A/D	350V-460V	480V-750V	5500W	20m³/h	125m	2"	2m	<800V ≥6000W

QUALITY FIRST SERVICE BEST

HD-4/6SSC-A/D

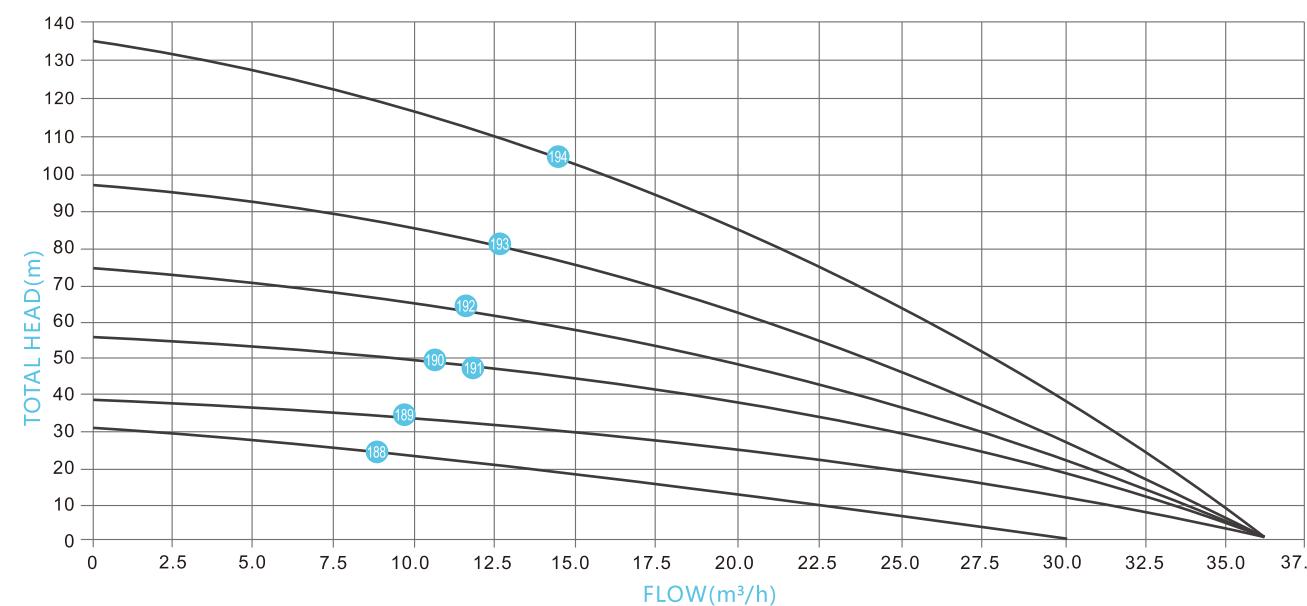
BRUSHLESS SOLAR PUMP

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
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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

**PERFORMANCE CURVES****TECHNICAL DATA**

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
188	HD-4/6SSC30-31-220-1500-A/D	180V-240V	300V-400V	1500W	30m /h	31m	3"	2m	<450V ≥2000W
189	HD-4/6SSC36-38-220-2200-A/D	180V-240V	300V-400V	2200W	36m /h	38m	3"	2m	<450V ≥3000W
190	HD-4/6SSC36-38-380-2200-A/D	350V-460V	480V-750V	2200W	36m /h	38m	3"	2m	<800V ≥3000W
191	HD-4/6SSC36-56-380-3000-A/D	350V-460V	480V-750V	3000W	36m /h	56m	3"	2m	<800V ≥4000W
192	HD-4/6SSC36-75-380-4000-A/D	350V-460V	480V-750V	4000W	36m /h	75m	3"	2m	<800V ≥5000W
193	HD-4/6SSC36-98-380-5500-A/D	350V-460V	480V-750V	5500W	36m /h	98m	3"	2m	<800V ≥6000W
194	HD-4/6SSC36-135-380-7500-A/D	350V-460V	480V-750V	7500W	36m /h	135m	3"	2m	<800V ≥8500W

HD-6SSC-A/D

BRUSHLESS SOLAR PUMP

ADVANTAGE FOR SOLAR WATER PUMP

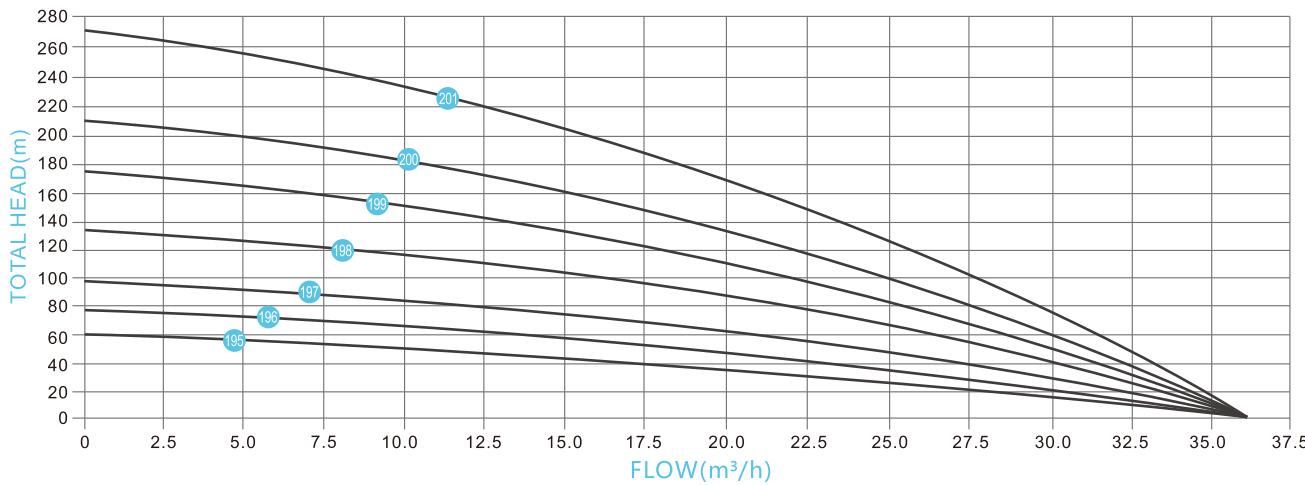
- 1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
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APPLICATION FIELD

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PERFORMANCE CURVES



TECHNICAL DATA

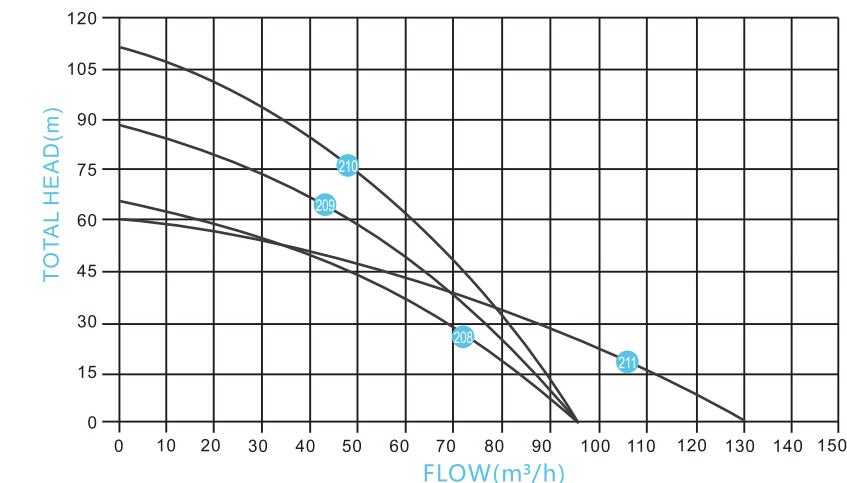
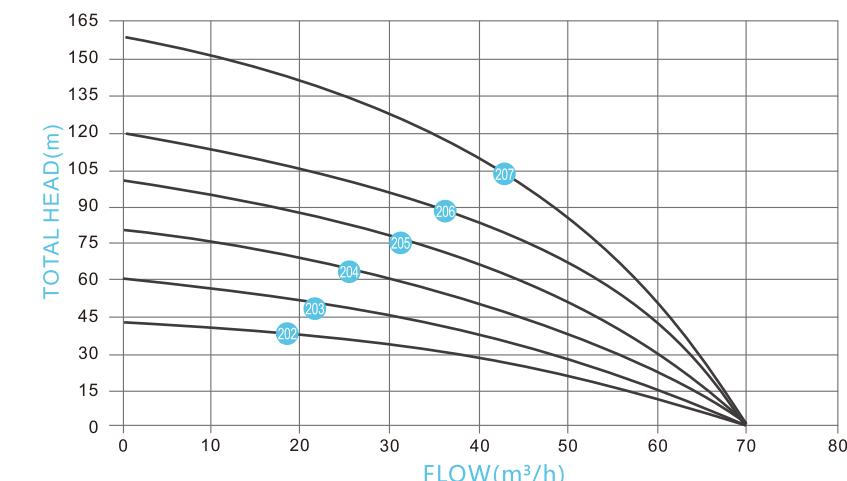
ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
195 HD-6SSC36-60-380-3000-A/D	350V-460V	480V-750V	3000W	36m³/h	60m	3"	2m	<800V	≥4000w
196 HD-6SSC36-77-380-4000-A/D	350V-460V	480V-750V	4000W	36m³/h	77m	3"	2m	<800V	≥5000w
197 HD-6SSC36-98-380-5500-A/D	350V-460V	480V-750V	5500W	36m³/h	98m	3"	2m	<800V	≥6000W
198 HD-6SSC36-135-380-7500-A/D	350V-460V	480V-750V	7500W	36m³/h	135m	3"	2m	<800V	≥8500w
199 HD-6SSC36-175-380-9200-A/D	350V-460V	480V-750V	9200W	36m³/h	175m	3"	2m	<800V	≥10000w
200 HD-6SSC36-210-380-11000-A/D	350V-460V	480V-750V	11000W	36m³/h	210m	3"	2m	<800V	≥15000w
201 HD-6SSC36-270-380-15000-A/D	350V-460V	480V-750V	15000W	36m³/h	270m	3"	2m	<800V	≥20000w

HD-6SSC-A/D

BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



TECHNICAL DATA

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
202 HD-6SSC70-40-380-4000-A/D	350V-460V	480V-750V	4000W	70m³/h	40m	4"	2m	<800V	≥5000w
203 HD-6SSC70-60-380-5500-A/D	350V-460V	480V-750V	5500W	70m³/h	60m	4"	2m	<800V	≥6000W
204 HD-6SSC70-80-380-7500-A/D	350V-460V	480V-750V	7500W	70m³/h	80m	4"	2m	<800V	≥8500w
205 HD-6SSC70-100-380-9200-A/D	350V-460V	480V-750V	9200W	70m³/h	100m	4"	2m	<800V	≥10000w
206 HD-6SSC70-120-380-11000-A/D	350V-460V	480V-750V	11000W	70m³/h	120m	4"	2m	<800V	≥15000w
207 HD-6SSC70-160-380-15000-A/D	350V-460V	480V-750V	15000W	70m³/h	160m	4"	2m	<800V	≥20000w
208 HD-6SSC95-66-380-7500-A/D	350V-460V	480V-750V	7500W	95m³/h	66m	4"	2m	<800V	≥8500w
209 HD-6SSC95-88-380-11000-A/D	350V-460V	480V-750V	11000W	95m³/h	88m	4"	2m	<800V	≥15000w
210 HD-6SSC95-110-380-15000-A/D	350V-460V	480V-750V	15000W	95m³/h	110m	4"	2m	<800V	≥20000w
211 HD-6SSC130-60-380-15000-A/D	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
- 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

**HD-SQB/SZB**

BRUSHLESS SOLAR PUMP



HD-SZB



HD-SQB



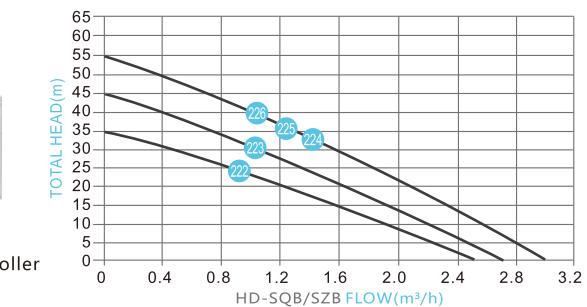
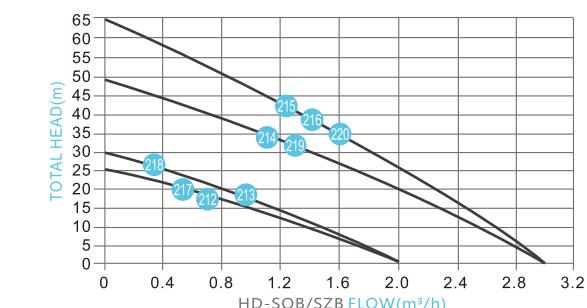
HD-SJET



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
⑪ HD-SQB2-25-24-210	24V	30V-48V	210W	2m³/h	25m	1"x1"	2m	<50v	≥300W
⑫ HD-SQB2-30-24-280	24V	30V-48V	280W	2m³/h	30m	1"x1"	2m	<50v	≥400W
⑬ HD-SQB3-50-48-550	48V	60V-90V	550W	3m³/h	50m	1"x1"	2m	<100v	≥750W
⑭ 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	
								open voltage	Power
⑮ 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
⑯ HD-SZB2-25-24-210	24V	30V-48V	210W	2m³/h	25m	1"x1"	2m	<50v	≥300W
⑰ HD-SZB2-30-24-280	24V	30V-48V	280W	2m³/h	30m	1"x1"	2m	<50v	≥400W
⑱ HD-SZB3-50-48-550	48V	60V-90V	550W	3m³/h	50m	1"x1"	2m	<100v	≥750W
⑲ 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	
								open voltage	Power
⑳ 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
㉑ HD-SJET2.5-35-48-370	48V	60V-90V	370W	2.5m³/h	35m	1"x1"	2m	<100v	≥500W
㉒ HD-SJET2.7-45-48-550	48V	60V-90V	550W	2.5m³/h	45m	1"x1"	2m	<100v	≥750W
㉓ HD-SJET3.0-55-48-750	48V	60V-90V	750W	3m³/h	55m	1"x1"	2m	<100v	≥1000W
㉔ 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	
								open voltage	Power
㉕ HD-SJET3.5-55-72-750-A/D	110V-240V	80V-400V	750W	3m³/h	55m	1"x1"	2m	<420v	≥1000W

HD-SSP

BRUSHLESS SOLAR PUMP



HD-SSP



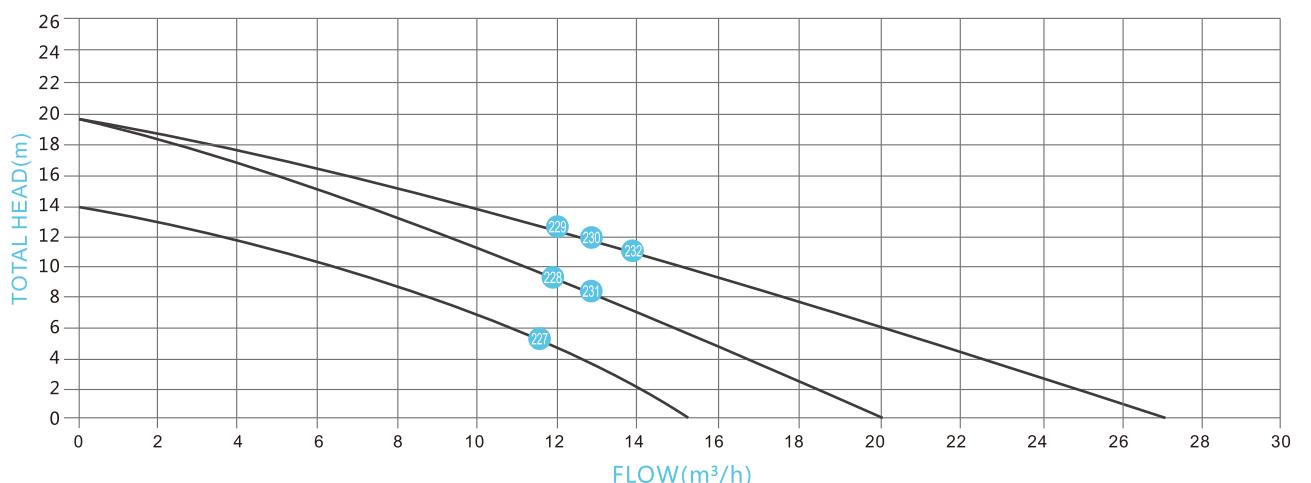
HD-SSP



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
227 HD-SSP15-14-48-500	48V	60V-90V	500W	15m³/h	14m	2X2"	2m	<100V	≥750W
228 HD-SSP20-19-72-900	72V	90V-120V	900W	20m³/h	19m	2X2"	2m	<150V	≥1200W
229 HD-SSP27-19-72-1200	72V	90V-120V	1200W	27m³/h	19m	3X3"	2m	<150V	≥1500W
230 HD-SSP27-19-110-1200	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 HD-SSP20-19-72-900-A/D	110V-240V	80V-400V	900W	20m³/h	19m	2X2"	2m	<420V	≥1200W
232 HD-SSP27-19-110-1200-A/D	110V-240V	80V-400V	1200W	27m³/h	19m	3X3"	2m	<420V	≥1800W

QUALITY FIRST SERVICE BEST

HD-SCPM

BRUSHLESS SOLAR PUMP



HD-SCPM



DC controller



AC/DC (NEW) controller

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
233 HD-SCPM6-30-48-550	48V	60V-90V	550W	6m³/h	30m	1"	2m	<100V	≥750W
234 HD-SCPM18-14-48-550	48V	60V-90V	550W	18m³/h	14m	2"	2m	<100V	≥750W
235 HD-SCPM21-14-72-750	72V	90V-120V	750W	21m³/h	14m	2"	2m	<150V	≥1000W
236 HD-SCPM26-15-72-1100	72V	90V-120V	1100W	26m³/h	15m	2"	2m	<150V	≥1500W
237 HD-SCPM27-21-110-1500	110V	110V-150V	1500W	27m³/h	21m	2"	2m	<200V	≥2000W
238 HD-SCPM55-17-110-1500	110V	110V-150V	1500W	55m³/h	17m	3"	2m	<200V	≥2000W

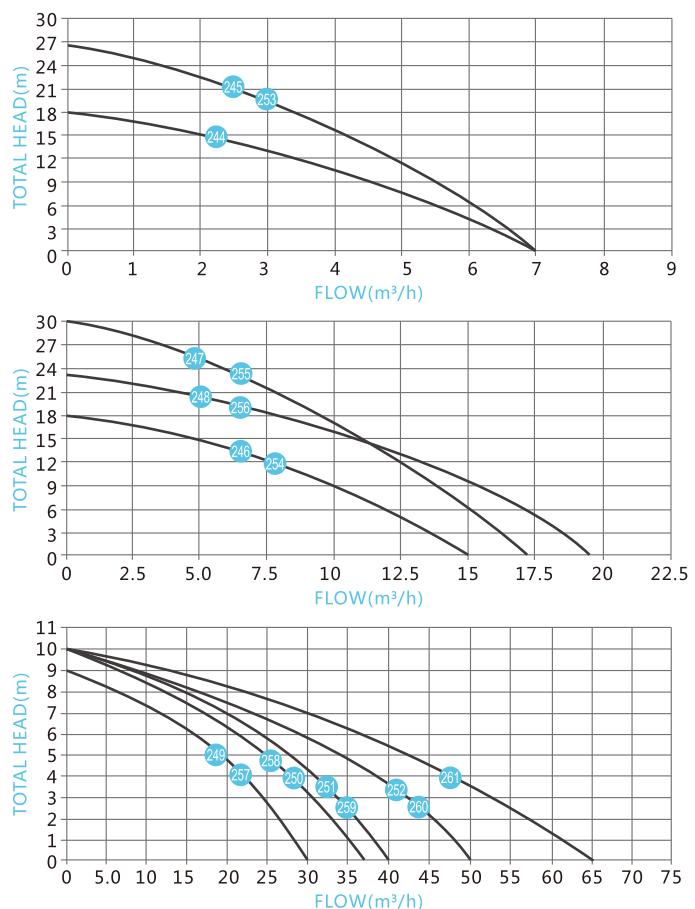
ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
239 HD-SCPM18-14-72-550-A/D	110V-240V	80V-400V	550W	18m³/h	14m	2"	2m	<420V	≥750W
240 HD-SCPM21-14-72-750-A/D	110V-240V	80V-400V	750W	21m³/h	14m	2"	2m	<420V	≥1000W
241 HD-SCPM26-15-72-1100-A/D	110V-240V	80V-400V	1100W	26m³/h	15m	2"	2m	<420V	≥1500W
242 HD-SCPM27-21-110-1500-A/D	110V-240V	80V-400V	1500W	27m³/h	21m	2"	2m	<420V	≥2000W
243 HD-SCPM55-17-110-1500-A/D	110V-240V	80V-400V	1500W	55m³/h	17m	3"	2m	<420V	≥2000W

HD-SQD

BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
244 HD-SQD7.0-18-48-550	48V	60V-90V	550W	7.0m³/h	18m	1"	5m	<100V	≥750W
245 HD-SQD7.0-26-72-750	72V	90V-120V	750W	7.0m³/h	26m	1"	5m	<150V	≥1000W
246 HD-SQD15-18-72-750	72V	90V-120V	750W	15m³/h	18m	2"	5m	<150V	≥1000W
247 HD-SQD17-30-110-1300	110V	110V-150V	1300W	17m³/h	30m	2"	5m	<200V	≥1800W
248 HD-SQD19-23-72-1100	72V	90V-120V	1100W	19m³/h	23m	2"	5m	<150V	≥1500W
249 HD-SQD30-9-72-750	72V	90V-120V	750W	30m³/h	9m	3"	5m	<150V	≥1000W
250 HD-SQD37-10-72-1100	72V	90V-120V	1100W	37m³/h	10m	3"	5m	<150V	≥1500W
251 HD-SQD40-10-110-1300	110V	110V-150V	1300W	40m³/h	10m	3"	5m	<200V	≥1800W
252 HD-SQD50-10-110-1500	110V	110V-150V	1500W	50m³/h	10m	3"	5m	<200V	≥2000W

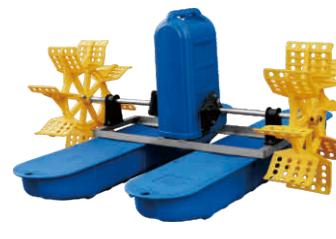
ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
253 HD-SQD7.0-26-72-750-A/D	110V-240V	80V-400V	750W	7.0m³/h	26m	1"	5m	<420V	≥ 1000W
254 HD-SQD15-18-72-750-A/D	110V-240V	80V-400V	750W	15m³/h	18m	2"	5m	<420V	≥ 1000W
255 HD-SQD17-30-110-1300-A/D	110V-240V	80V-400V	1300W	17m³/h	30m	2"	5m	<420V	≥ 1800W
256 HD-SQD19-23-72-1100-A/D	110V-240V	80V-400V	1100W	19m³/h	23m	2"	5m	<420V	≥ 1500W
257 HD-SQD30-9-72-750-A/D	110V-240V	80V-400V	750W	30m³/h	9m	3"	5m	<420V	≥ 1000W
258 HD-SQD37-10-72-1100-A/D	110V-240V	80V-400V	1100W	37m³/h	10m	3"	5m	<420V	≥ 1500W
259 HD-SQD40-10-110-1300-A/D	110V-240V	80V-400V	1300W	40m³/h	10m	3"	5m	<420V	≥ 1800W
260 HD-SQD50-10-110-1500-A/D	110V-240V	80V-400V	1500W	50m³/h	10m	3"	5m	<420V	≥ 2000W
261 HD-SQD65-10-220-2200-A/D	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

SOLAR AERATOR

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Solar panel	
							open voltage	Power
262 HD-SA27-5-48-750	48V	60V-90V	750W	27m ³ /h	5m	3"	<100V	≥ 1000W
263 HD-SA32-7-72-1100	72V	90V-120V	1100W	32m ³ /h	7m	3"	<150V	≥ 1500W
264 HD-SA43-7-110-1500	110V	110V-150V	1500W	43m ³ /h	7m	3"	<200V	≥ 2000W

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Solar panel	
							open voltage	Power
265 HD-SA32-7-110-1100-A/D	110V-240V	80V-400V	1100W	32m ³ /h	7m	3"	<420V	≥ 1500W
266 HD-SA43-7-110-1500-A/D	110V-240V	80V-400V	1500W	43m ³ /h	7m	3"	<420V	≥ 2000W
267 HD-SA60-5-220-2200-A/D	180V-240V	80V-400V	2200W	60m ³ /h	5m	4"	<420V	≥ 3000W

SOLAR PADDLE WHEEL AERATOR

ITEM	Voltage	Best DC Voltage	Power	Oxygenation rate(kgo/h)	Covering Area(m ²)	Quantity of impeller	Solar panel	
							open voltage	Power
268 HD-SWA-110-1500	110V	110V-150V	1500W	≥1.1	2000-6000	4	<200V	≥2000W

ITEM	AC Voltage	DC Voltage	Power	Oxygenation rate(kg/o/h)	Covering Area(m ²)	Quantity of impeller	Solar panel	
							open voltage	Power
269	HD-SWA-110-1500-A/D	110V-240V	80V-400V	1500W	≥1.1	2000-6000	4	<420V ≥2000W
270	HD-SWA-220-2200-A/D	180V-240V	80V-400V	2200W	≥1.5	2665-8000	8	<420V ≥3000W

SOLAR IMPELLER AERATOR

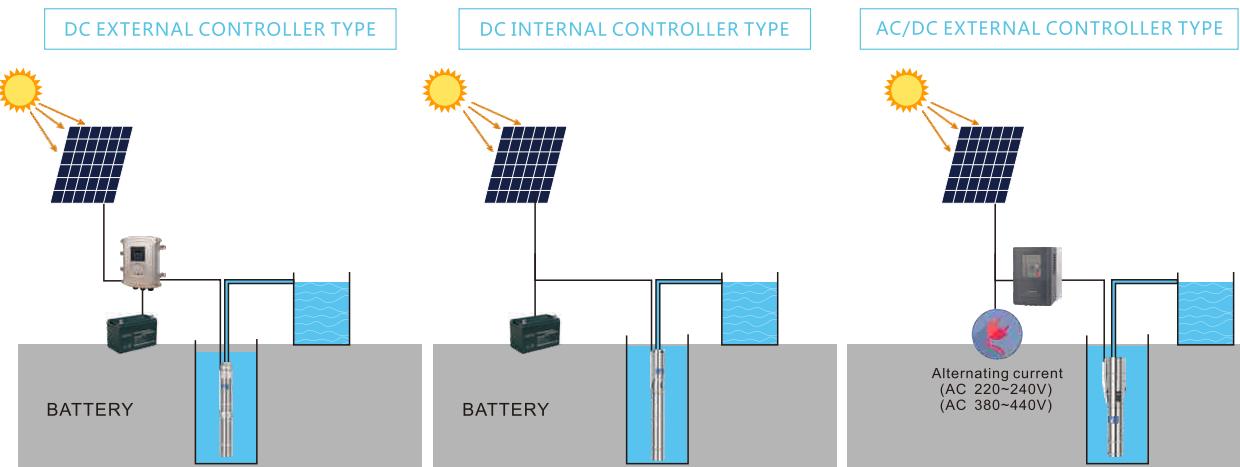
ITEM	Voltage	Best DC Voltage	Power	Oxygenation rate(kgo/h)	Covering Area(m ²)	Solar panel	
	open voltage	Power					
HD-SIA-110-1500	110V	110V-150V	1500W	≥1.6	2000-4000	<200V	≥2000W

ITEM	AC Voltage	DC Voltage	Power	Oxygenation rate(kgo/h)	Covering Area(m ²)	Solar panel		
						open voltage	Power	
272	HD-SIA-110-1500-A/D	110V-240V	80V-400V	1500W	≥ 1.6	2000-4000	<420V	≥ 2000W
273	HD-SIA-220-2200-A/D	180V-240V	80V-400V	2200W	≥ 1.8	2665-5320	<420V	≥ 3000W
274	HD-SIA-380-3000-A/D	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(m ²)	Solar panel	
						open voltage	Power
HD-SPQ-110-1100	110V	110V-150V	1100W	≥1.1	2000-3500	<200V	≥1500W

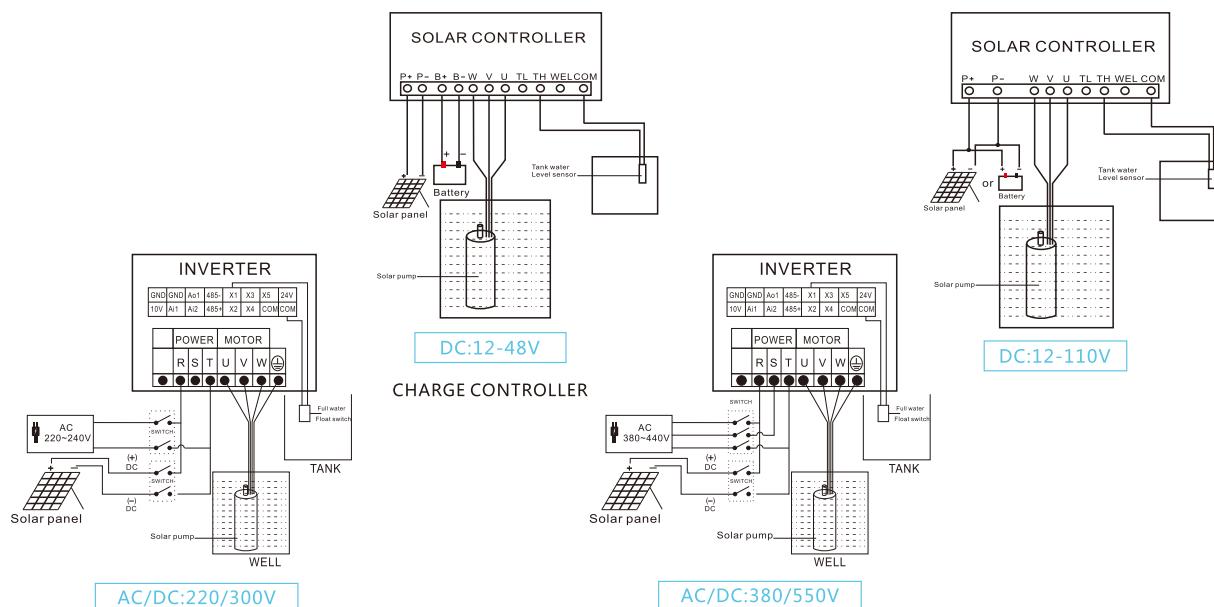
276	HD-SPQ-110-1500	110V	110V-150V	1500W	≥ 1.5	3500-5500	<200V	≥200W
ITEM	AC Voltage	DC Voltage	Power	Oxygenation rate(kgo/h)	Covering Area(m ²)	Solar panel		
						open voltage	Power	
277	HD-SPQ-110-1100-A/D	110V-240V	80V-400V	1100W	≥ 1.1	2000-3500	<420V	≥ 1500W
278	HD-SPQ-110-1500-A/D	110V-240V	80V-400V	1500W	≥ 1.5	3500-5500	<420V	≥ 2000W
279	HD-SPQ-220-2200-A/D	180V-240V	80V-400V	2200W	≥ 3.0	5500-8000	<420V	≥ 3000W



Best protection



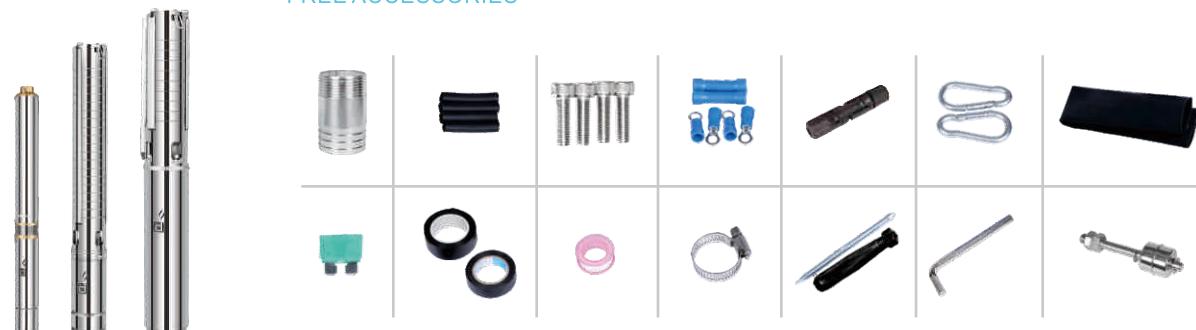
SYSTEM INSTALLATION DRAWING



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

FREE ACCESSORIES



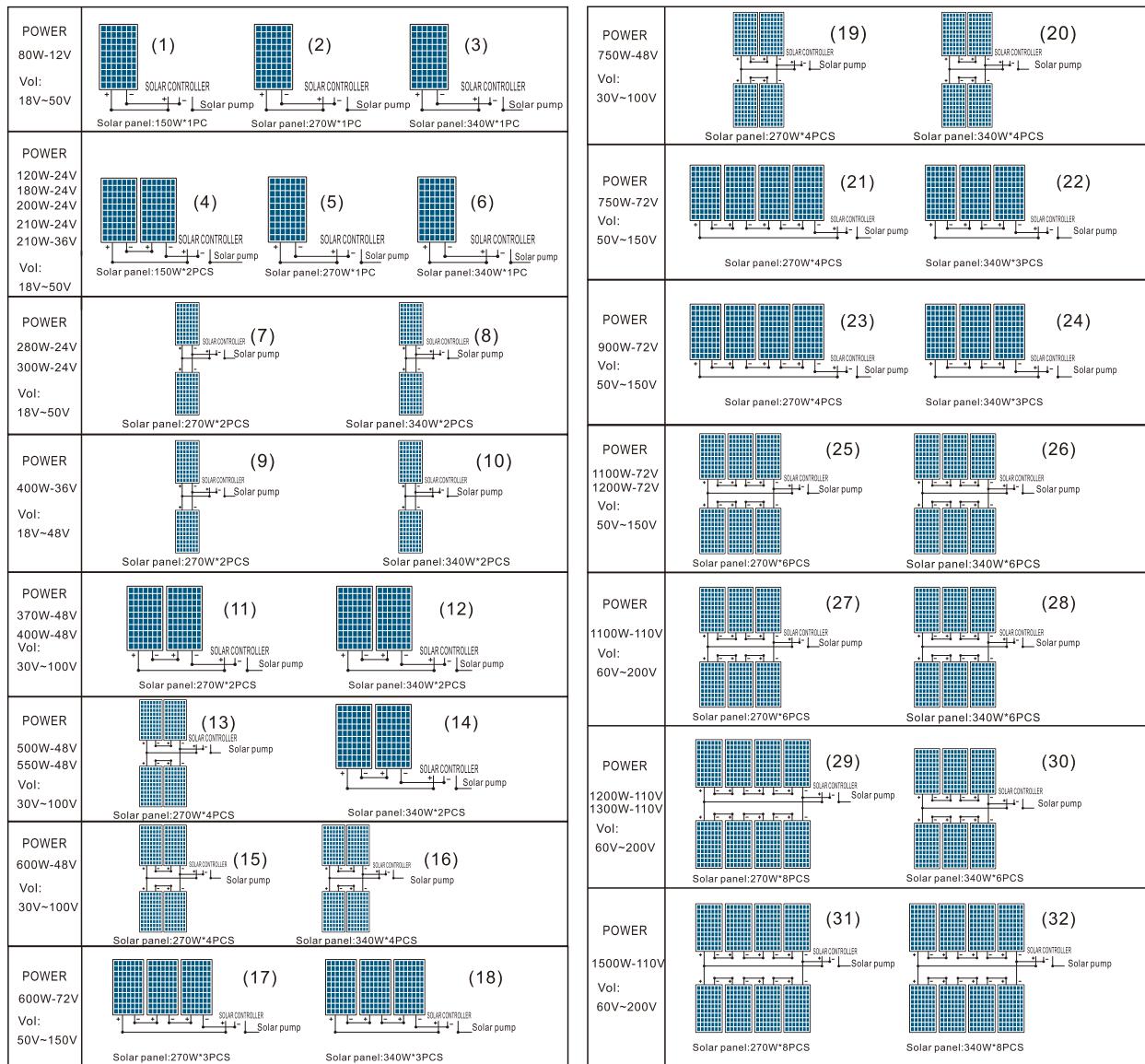
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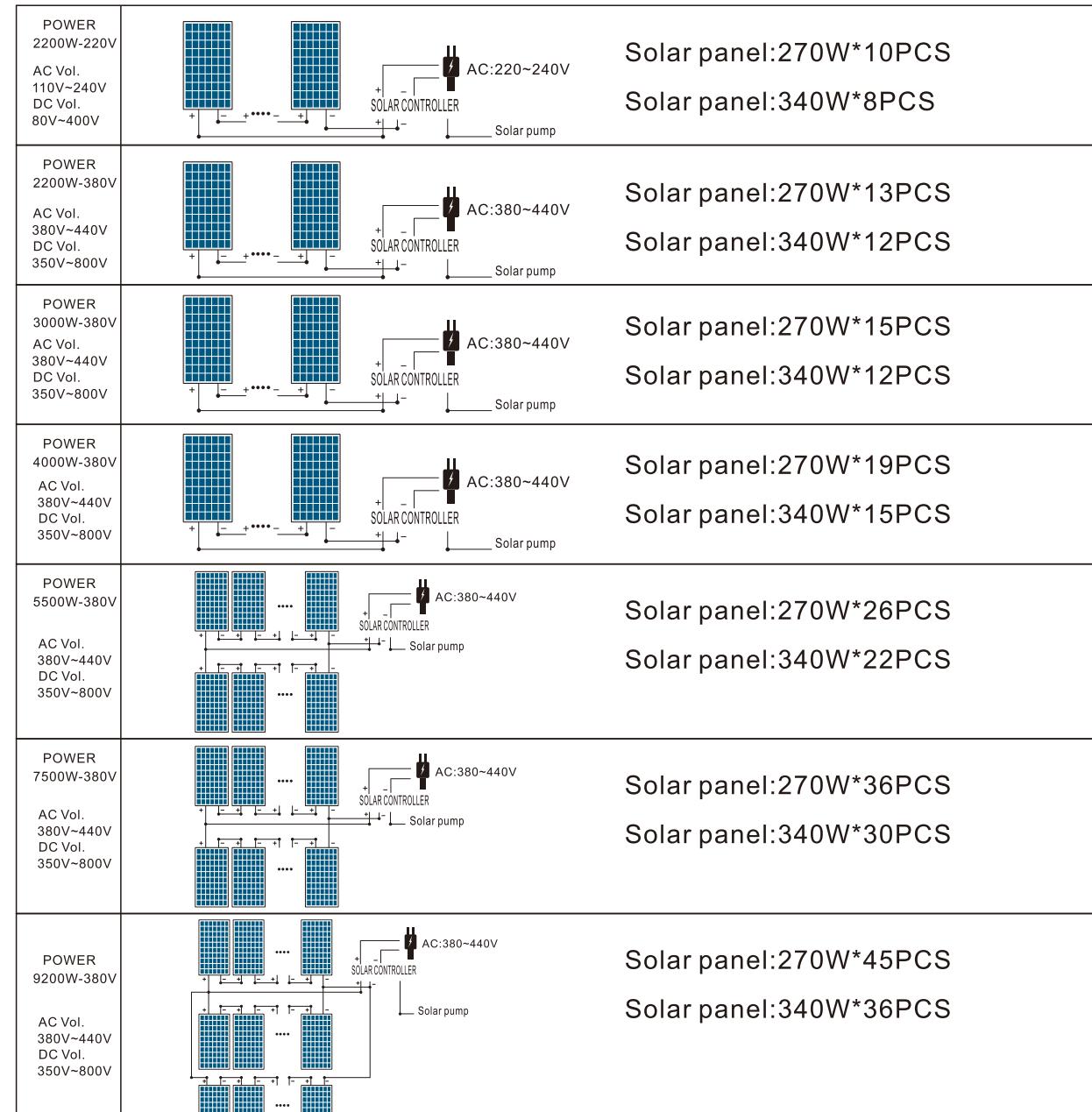
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Solar panel recommendation for 12V-110V DC solar pump



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



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

