HANDURO®

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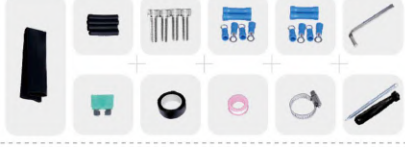
HANDURO

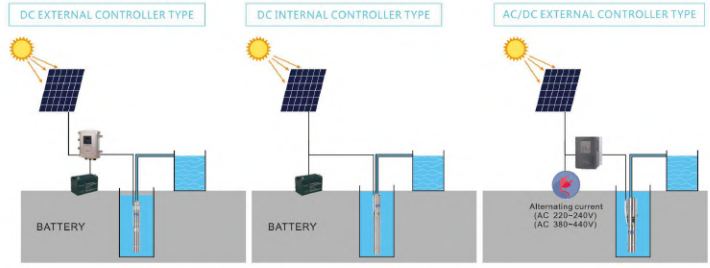
SOLAR PUMP

FREE SPARE PARTS

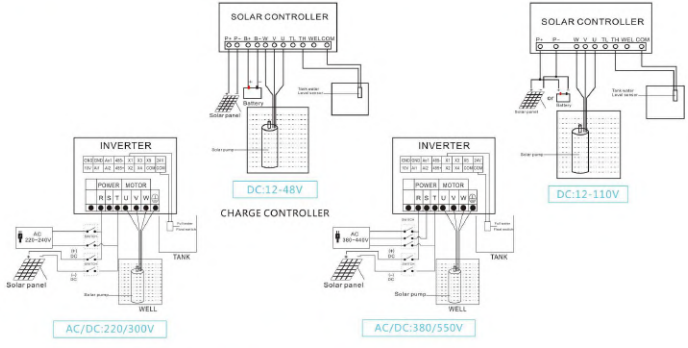
FREE SPARE PARTS

FREE SPARE PARTS





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 (℃)
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	Rated380V Pump	15	<800	480-750	-15-60

CE ISO9001

HD-2SS

BRUSHLESS SOLAR PUMP

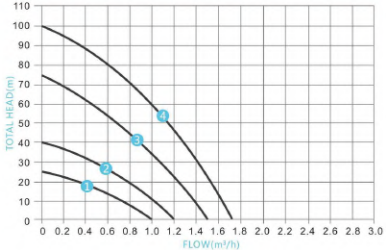
ADVANTAGE FOR SOLAR WATER PUMP

- 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"	2m	<50V	≥150w
2 HD-2SS1.2-40-24-120	24V	30V-48V	120W	1.2m³/h	40m	0.75"	2m	<50V	≥250w
3 HD-2SS1.5-75-36-210	36V	30V-48V	210W	1.5m³/h	75m	0.75"	2m	<50V	≥300w
4 HD-2SS1.7-100-48-500	48V	60V-90V	500W	1.7m³/h	100m	0.75"	2m	<100V	≥600w

HD-3SS

BRUSHLESS SOLAR PUMP

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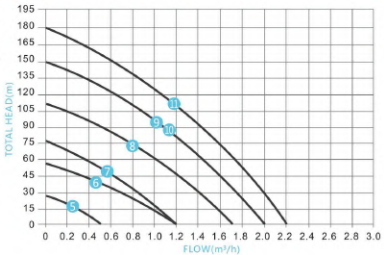

TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
5 HD-3SS0.5-28-12-80	12V	20V-36V	80W	0.5m³/h	28m	0.75"	2m	<50V	≥150w
6 HD-3SS1.2-56-24-120	24V	30V-48V	120W	1.2m³/h	56m	0.75"	2m	<50V	≥250w
7 HD-3SS1.2-77-36-210	36V	30V-48V	210W	1.2m³/h	77m	0.75"	2m	<50V	≥300w
8 HD-3SS1.7-109-48-500	48V	60V-90V	500W	1.7m³/h	109m	0.75"	2m	<100V	≥600w
9 HD-3SS2.0-150-48-750	48V	60V-90V	750W	2.0m³/h	150m	0.75"	2m	<100V	≥1000w
10 HD-3SS2.0-150-72-750	72V	90V-120V	750W	2.0m³/h	150m	0.75"	2m	<150V	≥1000w
11 HD-3SS2.2-180-72-1100	72V	90V-120V	1100W	2.2m³/h	180m	0.75"	2m	<150V	≥1500w

HANDURO®

HD-3SC

BRUSHLESS SOLAR PUMP

ADVANTAGE FOR SOLAR WATER PUMP

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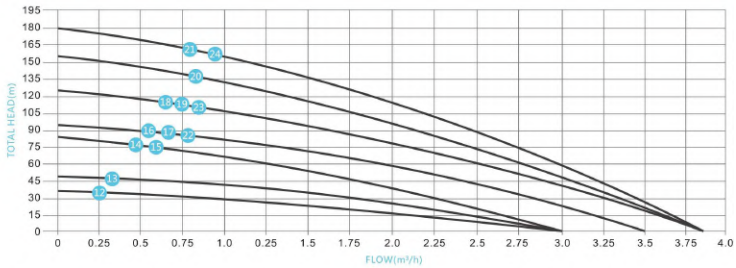
PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
12 HD-3SC3-35-24-300	24V	30V-48V	300W	3.0m³/h	35m	1.25"	2m	<50V	≥500w
13 HD-3SC3-47-48-400	48V	60V-90V	400W	3.0m³/h	47m	1.25"	2m	<100V	≥600w
14 HD-3SC3-80-48-600	48V	60V-90V	600W	3.0m³/h	80m	1.25"	2m	<100V	≥750w
15 HD-3SC3-80-72-600	72V	90V-120V	600W	3.0m³/h	80m	1.25"	2m	<150V	≥750w
16 HD-3SC3.5-95-48-750	48V	60V-90V	750W	3.5m³/h	95m	1.25"	2m	<100V	≥1000w
17 HD-3SC3.5-95-72-750	72V	90V-120V	750W	3.5m³/h	95m	1.25"	2m	<150V	≥1000w
18 HD-3SC3.8-123-72-1100	72V	90V-120V	1100W	3.8m³/h	123m	1.25"	2m	<150V	≥1500w
19 HD-3SC3.8-123-110-1100	110V	110V-150V	1100W	3.8m³/h	123m	1.25"	2m	<200V	≥1500w
20 HD-3SC3.8-155-110-1300	110V	110V-150V	1300W	3.8m³/h	155m	1.25"	2m	<200V	≥1800w
21 HD-3SC3.8-180-110-1500	110V	110V-150V	1500W	3.8m³/h	180m	1.25"	2m	<200V	≥2000w
22 HD-3SC3.5-95-220/300-750-A/D	AC220/DC300V	300V-400V	750W	3.5m³/h	95m	1.25"	2m	<450V	≥1800w
23 HD-3SC3.8-123-220/300-1100-A/D	AC220/DC300V	300V-400V	1100W	3.8m³/h	123m	1.25"	2m	<450V	≥1800w
24 HD-3SC3.8-180-220/300-1500-A/D	AC220/DC300V	300V-400V	1500W	3.8m³/h	180m	1.25"	2m	<450V	≥2000w

CE ISO9001

HD-3SSC

BRUSHLESS SOLAR PUMP

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APPLICATION FIELD

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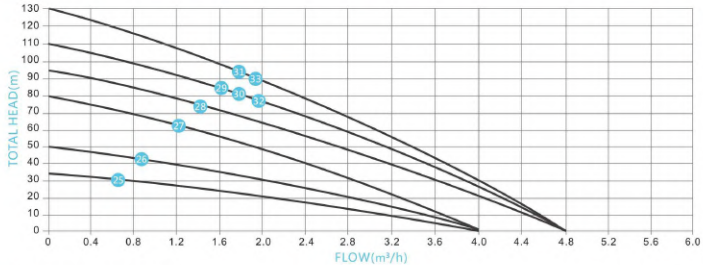
PERFORMANCE CURVES



TECHNICAL DATA

	ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									open voltage	Power
25	HD-3SSC4-35-24-200	24V	30V-48V	200W	4m³/h	35m	1.25"	2m	<50V	≥300w
26	HD-3SSC4-50-48-400	48V	60V-90V	400W	4m³/h	50m	1.25"	2m	<100V	≥600w
27	HD-3SSC4-80-48-600	48V	60V-90V	600W	4m³/h	80m	1.25"	2m	<100V	≥750w
28	HD-3SSC4.8-95-72-750	72V	90V-120V	750W	4.8m³/h	95m	1.25"	2m	<150V	≥1000w
29	HD-3SSC4.8-110-72-1100	72V	90V-120V	1100W	4.8m³/h	110m	1.25"	2m	<150V	≥1500w
30	HD-3SSC4.8-110-110-1100	110V	110V-150V	1100W	4.8m³/h	110m	1.25"	2m	<200V	≥1500w
31	HD-3SSC4.8-130-110-1500	110V	110V-150V	1500W	4.8m³/h	130m	1.25"	2m	<200V	≥2000w
32	HD-3SSC4.8-110-220/300-1100A/D	AC220/DC300V	300V/400V	1100W	4.8m³/h	110m	1.25"	2m	<450V	≥1800w
33	HD-3SSC4.8-130-220/300-1500A/D	AC220/DC300V	300V/400V	1500W	4.8m³/h	130m	1.25"	2m	<450V	≥2000w

HANDURO®

HD-4SC

BRUSHLESS SOLAR PUMP

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APPLICATION FIELD

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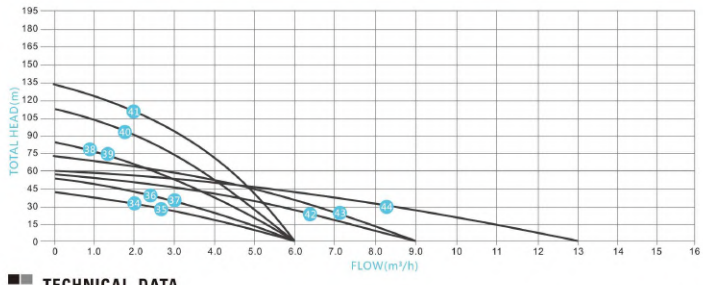
PERFORMANCE CURVES



TECHNICAL DATA

	ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									open voltage	Power
34	HD-4SC6-42-48-600	48V	60V-90V	600W	6.0m³/h	42m	1.25"	2m	<100V	≥750w
35	HD-4SC6-42-72-600	72V	90V-120V	600W	6.0m³/h	42m	1.25"	2m	<150V	≥750w
36	HD-4SC6-56-48-750	48V	60V-90V	750W	6.0m³/h	56m	1.25"	2m	<100V	≥1000w
37	HD-4SC6-56-72-750	72V	90V-120V	750W	6.0m³/h	56m	1.25"	2m	<150V	≥1000w
38	HD-4SC6-84-72-1100	72V	90V-120V	1100W	6.0m³/h	84m	1.25"	2m	<150V	≥1500w
39	HD-4SC6-84-110-1100	110V	110V-150V	1100W	6.0m³/h	84m	1.25"	2m	<200V	≥1500w
40	HD-4SC6-112-110-1300	110V	110V-150V	1300W	6.0m³/h	112m	1.25"	2m	<200V	≥1800w
41	HD-4SC6-135-110-1500	110V	110V-150V	1500W	6.0m³/h	135m	1.25"	2m	<200V	≥2000w
42	HD-4SC9-58-110-1300	110V	110V-150V	1300W	9.0m³/h	58m	2"	2m	<200V	≥1800w
43	HD-4SC9-71-110-1500	110V	110V-150V	1500W	9.0m³/h	71m	2"	2m	<200V	≥2000w
44	HD-4SC13-60-110-1500	110V	110V-150V	1500W	13m³/h	60m	2"	2m	<200V	≥2000w

CE ISO9001

HD-4SSC

BRUSHLESS SOLAR PUMP

ADVANTAGE FOR SOLAR WATER PUMP

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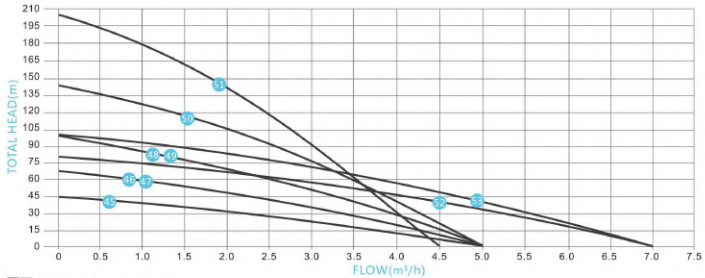
- 4. With MPPT function
- 5. Much longer life than the normal AC water pump.

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
45 HD-4SSC5-45-48-500	48V	60V-90V	500W	5.0m³/h	45m	1.25"	2m	<100V	≥750w
42 HD-4SSC5-67-48-750	48V	60V-90V	750W	5.0m³/h	67m	1.25"	2m	<100V	≥1000w
41 HD-4SSC5-67-72-750	72V	90V-120V	750W	5.0m³/h	67m	1.25"	2m	<150V	≥1000w
42 HD-4SSC5-101-72-1100	72V	90V-120V	1100W	5.0m³/h	101m	1.25"	2m	<150V	≥1500w
46 HD-4SSC5-101-110-1100	110V	110V-150V	1100W	5.0m³/h	101m	1.25"	2m	<200V	≥1500w
50 HD-4SSC5-146-110-1300	110V	110V-150V	1300W	5.0m³/h	146m	1.25"	2m	<200V	≥1800w
53 HD-4SSC4.5-203-110-1500	110V	110V-150V	1500W	4.5m³/h	203m	1.25"	2m	<200V	≥2000w
52 HD-4SSC7-80-110-1300	110V	110V-150V	1300W	7.0m³/h	80m	1.25"	2m	<200V	≥1800w
53 HD-4SSC7-100-110-1500	110V	110V-150V	1500W	7.0m³/h	100m	1.25"	2m	<200V	≥2000w

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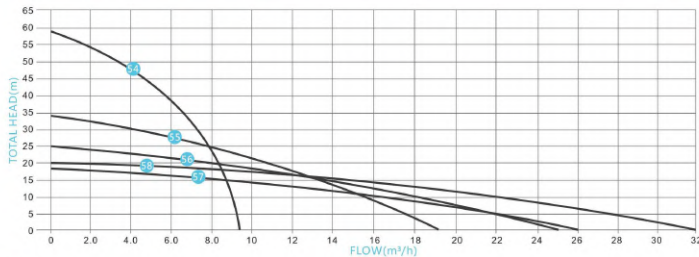

TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
54 HD-4SSC9-59-110-1500	110V	110V-150V	1500W	9m³/h	59m	2"	2m	<200V	≥2000w
53 HD-4SSC19-34-110-1500	110V	110V-150V	1500W	19m³/h	34m	2"	2m	<200V	≥2000w
58 HD-4SSC25-25-110-1500	110V	110V-150V	1500W	25m³/h	25m	2"	2m	<200V	≥2000w
57 HD-4/6SSC26-18-72-1100	72V	90V-120V	1100W	26m³/h	18m	3"	2m	<150V	≥1500w
59 HD-4/6SSC32-20-110-1500	110V	110V-150V	1500W	32m³/h	20m	3"	2m	<200V	≥2000w

CE ISO9001

HD-4SC-A/D

BRUSHLESS SOLAR PUMP

Plastic Impeller

AC/DC controller

ADVANTAGE FOR SOLAR WATER PUMP

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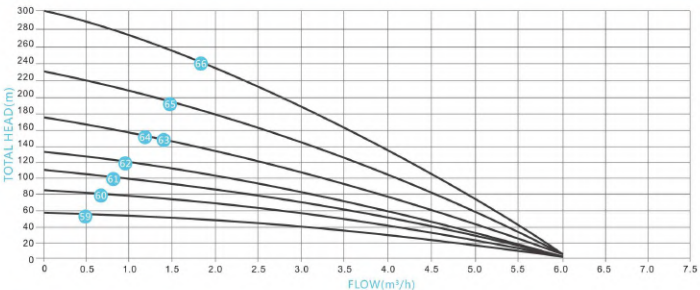


TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
56 HD-4SC6-56-220/300-750-A/D	AC220/DC300V	300V-400V	750w	6m³/h	56m	1.25"	2m	<450V	≥1800w
60 HD-4SC6-84-220/300-1100-A/D	AC220/DC300V	300V-400V	1100w	6m³/h	84m	1.25"	2m	<450V	≥1800w
61 HD-4SC6-112-220/300-1300-A/D	AC220/DC300V	300V-400V	1300w	6m³/h	112m	1.25"	2m	<450V	≥1800w
62 HD-4SC6-135-220/300-1500-A/D	AC220/DC300V	300V-400V	1500w	6m³/h	135m	1.25"	2m	<450V	≥2000w
63 HD-4SC6-175-220/300-2200-A/D	AC220/DC300V	300V-400V	2200w	6m³/h	175m	1.25"	2m	<450V	≥3000w
64 HD-4SC6-175-380/550-2200-A/D	AC380/DC550V	480V-750V	2200w	6m³/h	175m	1.25"	2m	<800V	≥3000w
65 HD-4SC6-230-380/550-3000-A/D	AC380/DC550V	480V-750V	3000w	6m³/h	230m	1.25"	2m	<800V	≥4000w
66 HD-4SC6-300-380/550-4000-A/D	AC380/DC550V	480V-750V	4000w	6m³/h	300m	1.25"	2m	<800V	≥5000w

HANGURO

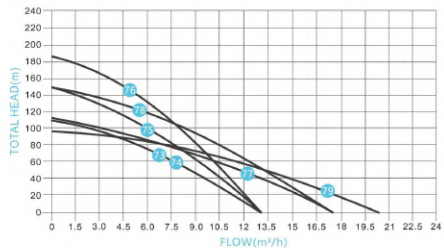
HD-4SC-A/D

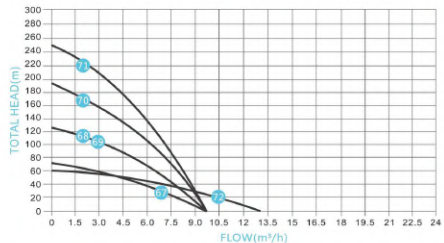
BRUSHLESS SOLAR PUMP

Plastic Impeller

AC/DC controller

PERFORMANCE CURVES





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TECHNICAL DATA

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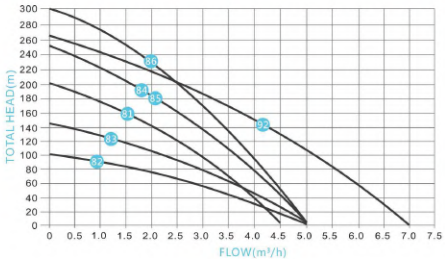
								open voltage	Power
67 HD-4SC9.5-71-220/300-1500-A/D	AC220/DC300V	300V-400V	1500w	9.5m³/h	71m	2"	2m	<450V	≥2000w
68 HD-4SC9.5-125-220/300-2200-A/D	AC220/DC300V	300V-400V	2200w	9.5m³/h	125m	2"	2m	<450V	≥3000w
69 HD-4SC9.5-125-380/550-2200-A/D	AC380/DC550V	480V-750V	2200w	9.5m³/h	125m	2"	2m	<800V	≥3000w
70 HD-4SC9.5-195-380/550-3000-A/D	AC380/DC550V	480V-750V	3000w	9.5m³/h	195m	2"	2m	<800V	≥4000w
71 HD-4SC9.5-250-380/550-4000-A/D	AC380/DC550V	480V-750V	4000w	9.5m³/h	250m	2"	2m	<800V	≥5000w
72 HD-4SC13-60-220/300-1500-A/D	AC220/DC300V	300V-400V	1500w	13m³/h	60m	2"	2m	<450V	≥2000w
73 HD-4SC13-110-220/300-2200-A/D	AC220/DC300V	300V-400V	2200w	13m³/h	110m	2"	2m	<450V	≥3000w
74 HD-4SC13-110-380/550-2200-A/D	AC380/DC550V	480V-750V	2200w	13m³/h	110m	2"	2m	<800V	≥3000w
75 HD-4SC13-150-380/550-3000-A/D	AC380/DC550V	480V-750V	3000w	13m³/h	150m	2"	2m	<800V	≥4000w
76 HD-4SC13-185-380/550-4000-A/D	AC380/DC550V	480V-750V	4000w	13m³/h	185m	2"	2m	<800V	≥5000w
77 HD-4SC17-112-380/550-3000-A/D	AC380/DC550V	480V-750V	3000w	17m³/h	112m	2"	2m	<800V	≥4000w
78 HD-4SC17-150-380/550-4000-A/D	AC380/DC550V	480V-750V	4000w	17m³/h	150m	2"	2m	<800V	≥5000w
79 HD-4SC20-98-380/550-4000-A/D	AC380/DC550V	480V-750V	4000w	20m³/h	98m	2"	2m	<800V	≥5000w

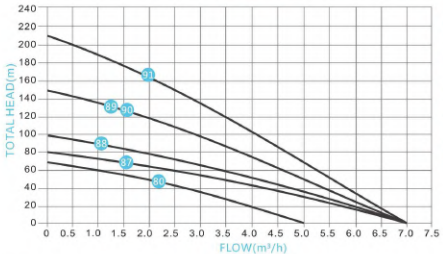
CE ISO9001

HD-4SSC-A/D

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

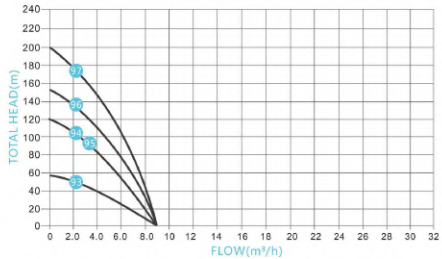
ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
30 HD-4SSC5-67-220/300-750-A/D	AC220/DC300V	300V-400V	750W	5.0m³/h	67m	1.25"	2m	<450V	≥1800w
34 HD-4SSC4.5-203-220/300-1500-A/D	AC220/DC300V	300V-400V	1500W	4.5m³/h	203m	1.25"	2m	<450V	≥2000w
32 HD-4SSC5-101-220/300-1100-A/D	AC220/DC300V	300V-400V	1100W	5.0m³/h	101m	1.25"	2m	<450V	≥1800w
33 HD-4SSC5-146-220/300-1500-A/D	AC220/DC300V	300V-400V	1500W	5.0m³/h	146m	1.25"	2m	<450V	≥2000w
35 HD-4SSC5-255-220/300-2200-A/D	AC220/DC300V	300V-400V	2200W	5.0m³/h	255m	1.25"	2m	<450V	≥3000w
31 HD-4SSC5-255-380/550-2200-A/D	AC380/DC550V	480V-750V	2200W	5.0m³/h	255m	1.25"	2m	<800V	≥3000w
36 HD-4SSC5-300-380/550-3000-A/D	AC380/DC550V	480V-750V	3000W	5.0m³/h	300m	1.25"	2m	<800V	≥4000w
37 HD-4SSC7-80-220/300-1300-A/D	AC220/DC300V	300V-400V	1300W	7.0m³/h	80m	1.25"	2m	<450V	≥1800w
38 HD-4SSC7-100-220/300-1500-A/D	AC220/DC300V	300V-400V	1500W	7.0m³/h	100m	1.25"	2m	<450V	≥2000w
39 HD-4SSC7-150-220/300-2200-A/D	AC220/DC300V	300V-400V	2200W	7.0m³/h	150m	1.25"	2m	<450V	≥3000w
40 HD-4SSC7-150-380/550-2200-A/D	AC380/DC550V	480V-750V	2200W	7.0m³/h	150m	1.25"	2m	<800V	≥3000w
41 HD-4SSC7-210-380/550-3000-A/D	AC380/DC550V	480V-750V	3000W	7.0m³/h	210m	1.25"	2m	<800V	≥4000w
42 HD-4SSC7-265-380/550-4000-A/D	AC380/DC550V	480V-750V	4000W	7.0m³/h	265m	1.25"	2m	<800V	≥5000w

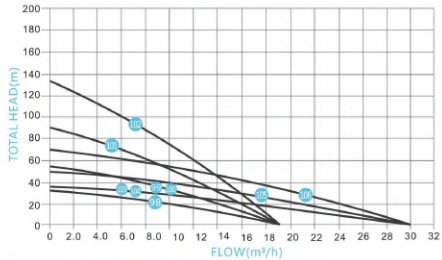
HANGURO

HD-4SSC-A/D

BRUSHLESS SOLAR PUMP

PERFORMANCE CURVES





ADVANTAGE FOR SOLAR WATER PUMP

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APPLICATION FIELD

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TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
33 HD-4SSC9-59-220/300-1500-A/D	AC220/DC300V	300V-400V	1500W	9.0m³/h	59m	2"	2m	<450V	≥2000w
34 HD-4SSC9-120-220/300-2200-A/D	AC220/DC300V	300V-400V	2200W	9.0m³/h	120m	2"	2m	<450V	≥3000w
35 HD-4SSC9-120-380/550-2200-A/D	AC380/DC550V	480V-750V	2200W	9.0m³/h	120m	2"	2m	<800V	≥3000w
36 HD-4SSC9-155-380/550-3000-A/D	AC380/DC550V	480V-750V	3000W	9.0m³/h	155m	2"	2m	<800V	≥4000w
37 HD-4SSC9-200-380/550-4000-A/D	AC380/DC550V	480V-750V	4000W	9.0m³/h	200m	2"	2m	<800V	≥5000w
38 HD-4SSC19-34-220/300-1500-A/D	AC220/DC300V	300V-400V	1500W	19m³/h	34m	2"	2m	<450V	≥2000w
39 HD-4SSC19-57-220/300-2200-A/D	AC220/DC300V	300V-400V	2200W	19m³/h	57m	2"	2m	<450V	≥3000w
40 HD-4SSC19-57-380/550-2200-A/D	AC380/DC550V	480V-750V	2200W	19m³/h	57m	2"	2m	<800V	≥3000w
41 HD-4SSC19-90-380/550-3000-A/D	AC380/DC550V	480V-750V	3000W	19m³/h	90m	2"	2m	<800V	≥4000w
42 HD-4SSC19-135-380/550-4000-A/D	AC380/DC550V	480V-750V	4000W	19m³/h	135m	2"	2m	<800V	≥5000w
43 HD-4SSC30-36-220/300-2200-A/D	AC220/DC300V	300V-400V	2200W	30m³/h	36m	2"	2m	<450V	≥3000w
44 HD-4SSC30-36-380/550-2200-A/D	AC380/DC550V	480V-750V	2200W	30m³/h	36m	2"	2m	<800V	≥3000w
45 HD-4SSC30-50-380/550-3000-A/D	AC380/DC550V	480V-750V	3000W	30m³/h	50m	2"	2m	<800V	≥4000w
46 HD-4SSC30-72-380/550-4000-A/D	AC380/DC550V	480V-750V	4000W	30m³/h	72m	2"	2m	<800V	≥5000w

CE ISO9001

HD-4/6SSC-A/D

BRUSHLESS SOLAR PUMP

ADVANTAGE FOR SOLAR WATER PUMP

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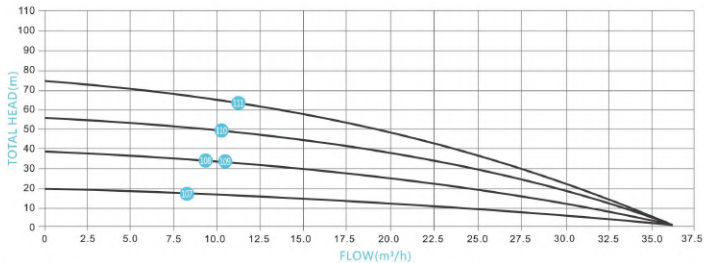
APPLICATION FIELD

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

Stainless Steel Impeller

AC/DC controller

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
103 HD-4/6SSC36-19-220/300-1500-A/D	AC220/DC300V	300V-400V	1500W	36m³/h	19m	3"	2m	<450V	≥2000w
106 HD-4/6SSC36-38-220/300-2200-A/D	AC220/DC300V	300V-400V	2200W	36m³/h	38m	3"	2m	<450V	≥3000w
105 HD-4/6SSC36-38-380/550-2200-A/D	AC380/DC550V	480V-750V	2200W	36m³/h	38m	3"	2m	<800V	≥3000w
110 HD-4/6SSC36-56-380/550-3000-A/D	AC380/DC550V	480V-750V	3000W	36m³/h	56m	3"	2m	<800V	≥4000w
111 HD-4/6SSC36-75-380/550-4000-A/D	AC380/DC550V	480V-750V	4000W	36m³/h	75m	3"	2m	<800V	≥5000w

HD-6SSC-A/D

BRUSHLESS SOLAR PUMP

ADVANTAGE FOR SOLAR WATER PUMP

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APPLICATION FIELD

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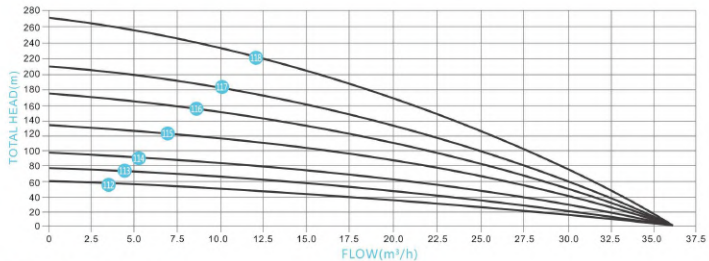
Stainless Steel Impeller

AC/DC controller

PERFORMANCE CURVES



TECHNICAL DATA

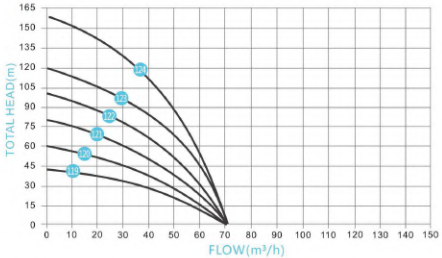
ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
112 HD-6SSC36-60-380/550-3000-A/D	AC380/DC550V	480V-750V	3000W	36m³/h	60m	3"	2m	<800V	≥4000w
113 HD-6SSC36-77-380/550-4000-A/D	AC380/DC550V	480V-750V	4000W	36m³/h	77m	3"	2m	<800V	≥5000w
114 HD-6SSC36-98-380/550-5500-A/D	AC380/DC550V	480V-750V	5500W	36m³/h	98m	3"	2m	<800V	≥7500w
115 HD-6SSC36-135-380/550-7500-A/D	AC380/DC550V	480V-750V	7500W	36m³/h	135m	3"	2m	<800V	≥8500w
116 HD-6SSC36-175-380/550-9200-A/D	AC380/DC550V	480V-750V	9200W	36m³/h	175m	3"	2m	<800V	≥10000w
117 HD-6SSC36-210-380/550-11000-A/D	AC380/DC550V	480V-750V	11000W	36m³/h	210m	3"	2m	<800V	≥15000w
118 HD-6SSC36-270-380/550-15000-A/D	AC380/DC550V	480V-750V	15000W	36m³/h	270m	3"	2m	<800V	≥20000w

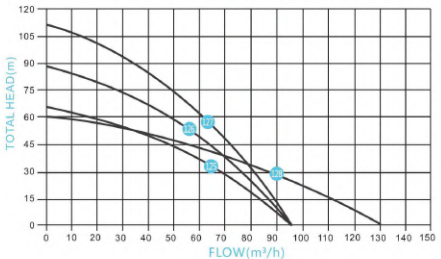
CE ISO9001

HD-6SSC-A/D

BRUSHLESS SOLAR PUMP

PERFORMANCE CURVES





Stainless Steel Impeller

AC/DC controller

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	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									open voltage	Power
151	HD-6SSC70-40-380/550-4000-A/D	AC380/DC550V	480V-750V	4000W	70m³/h	40m	4"	2m	<800V	≥5000w
152	HD-6SSC70-60-380/550-5500-A/D	AC380/DC550V	480V-750V	5500W	70m³/h	60m	4"	2m	<800V	≥7500w
153	HD-6SSC70-80-380/550-7500-A/D	AC380/DC550V	480V-750V	7500W	70m³/h	80m	4"	2m	<800V	≥8500w
154	HD-6SSC70-100-380/550-9200-A/D	AC380/DC550V	480V-750V	9200W	70m³/h	100m	4"	2m	<800V	≥10000w
155	HD-6SSC70-120-380/550-11000-A/D	AC380/DC550V	480V-750V	11000W	70m³/h	120m	4"	2m	<800V	≥15000w
156	HD-6SSC70-160-380/550-15000-A/D	AC380/DC550V	480V-750V	15000W	70m³/h	160m	4"	2m	<800V	≥20000w
157	HD-6SSC95-66-380/550-7500-A/D	AC380/DC550V	480V-750V	7500W	95m³/h	66m	4"	2m	<800V	≥8500w
158	HD-6SSC95-88-380/550-11000-A/D	AC380/DC550V	480V-750V	11000W	95m³/h	88m	4"	2m	<800V	≥15000w
159	HD-6SSC95-110-380/550-15000-A/D	AC380/DC550V	480V-750V	15000W	95m³/h	110m	4"	2m	<800V	≥20000w
160	HD-6SSC130-60-380/550-15000-A/D	AC380/DC550V	480V-750V	15000W	130m³/h	60m	4"	2m	<800V	≥20000w

HD-SSP

BRUSHLESS SOLAR PUMP

HD-SSP

HD-SSP

HD-SSP

DC controller

AC/DC controller

ADVANTAGE FOR SOLAR WATER PUMP

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APPLICATION FIELD

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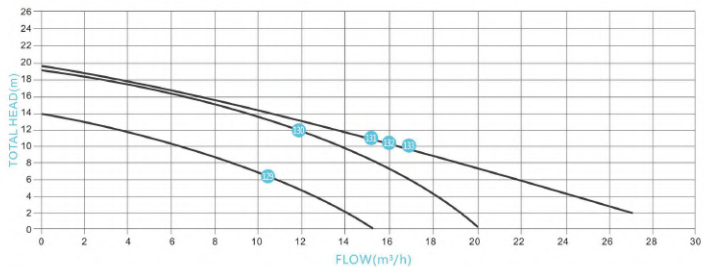
PERFORMANCE CURVES



TECHNICAL DATA

	ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									open voltage	Power
151	HD-SSP15-14-48-500	48V	60V-90V	500W	15m³/h	14m	2X2"	2m	<100V	≥750w
152	HD-SSP20-19-72-900	72V	90V-120V	900W	20m³/h	19m	2X2"	2m	<150V	≥1200w
153	HD-SSP27-19-72-1200	72V	90V-120V	1200W	27m³/h	19m	3X3"	2m	<150V	≥1500w
154	HD-SSP27-19-110-1200	110V	110V-150V	1200W	27m³/h	19m	3X3"	2m	<200V	≥1500w
155	HD-SSP27-19-220/300-1200-A/D	AC220V DC300V	300V-400V	1200W	27m³/h	19m	3X3"	2m	<450V	≥1800w

CE ISO9001

HD-SQB/SZB

BRUSHLESS SOLAR PUMP

HD-SQB

HD-SJET

HD-SZB

ADVANTAGE FOR SOLAR WATER PUMP

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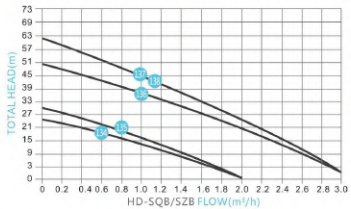
APPLICATION FIELD

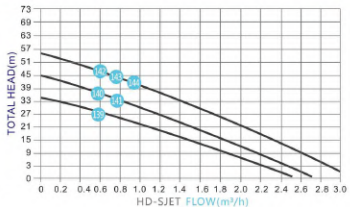
- These water pumps are used in irrigation of agriculture, also widely used for drinking water and living water use

DC controller

AC/DC controller

PERFORMANCE CURVES





TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
HD-SQB2-25-24-210	24V	30V-48V	210W	2m³/h	25m	1X1"	2m	<50V	≥300w
HD-SQB2-30-24-280	24V	30V-48V	280W	2m³/h	30m	1X1"	2m	<50V	≥400w
HD-SQB3-50-48-550	48V	60V-90V	550W	3m³/h	50m	1X1"	2m	<100V	≥750w
HD-SQB3-65-72-750	72V	90V-120V	750W	3m³/h	65m	1X1"	2m	<150V	≥1000w
HD-SQB3-65-220/300-750-A/D	AC220V DC300V	300V-400V	750W	3m³/h	65m	1X1"	2m	<450V	≥1800w

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
HD-SJET2.5-35-48-370	48V	60V-90V	370W	2.5m³/h	35m	1X1"	2m	<100V	≥500w
HD-SJET2.7-45-48-550	48V	60V-90V	550W	2.7m³/h	45m	1X1"	2m	<100V	≥750w
HD-SJET2.7-45-72-550	72V	90V-120V	550W	2.7m³/h	45m	1X1"	2m	<150V	≥750w
HD-SJET3.0-55-48-750	48V	60V-90V	750W	3.0m³/h	55m	1X1"	2m	<100V	≥1000w
HD-SJET3.0-55-72-750	72V	90V-120V	750W	3.0m³/h	55m	1X1"	2m	<150V	≥1000w
HD-SJET3-55-220/300-750-A/D	AC220V DC300V	300V-400V	750W	3.0m³/h	55m	1X1"	2m	<450V	≥1800w

HANGURO

HD-SCPM

BRUSHLESS SOLAR PUMP

HD-SCPM

HD-SCPM

HD-SCPM

ADVANTAGE FOR SOLAR WATER PUMP

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APPLICATION FIELD

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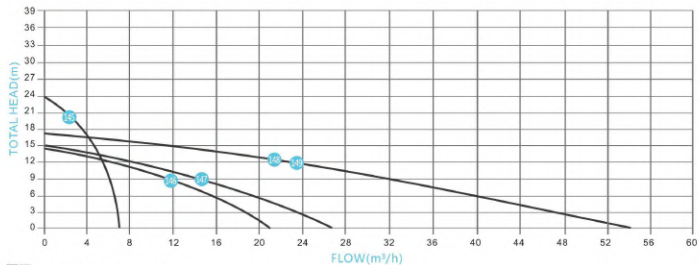
DC controller

AC/DC controller

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
HD-SCPM6-24-48-550	48V	60V-90V	550W	6m³/h	24m	1"	2m	<100V	≥750w
HD-SCPM21-14-72-750	72V	90V-120V	750W	21m³/h	14m	2"	2m	<150V	≥1000w
HD-SCPM26-15-72-1100	72V	90V-120V	1100W	26m³/h	15m	2"	2m	<150V	≥1500w
HD-SCPM55-17-110-1500	110V	110V-150V	1500W	55m³/h	17m	3"	2m	<200V	≥2000w
HD-SCPM55-17-220/300-2200-A/D	AC220V DC300V	300V-400V	2200W	55m³/h	17m	3"	2m	<450V	≥3000w

CE ISO9001

HANDURO

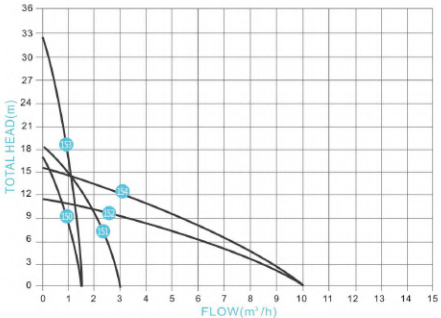
HD-SQDX

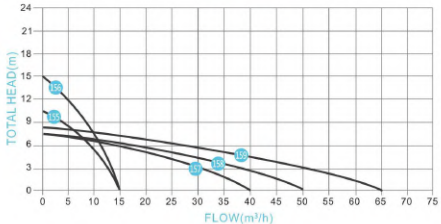
BRUSHLESS SOLAR PUMP

DC controller

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	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
152 HD-SQDX1.5-16-24-370	24V	30V-48V	370W	1.5m³/h	16m	1"	5m	<50V	≥500w
153 HD-SQDX3-19-48-550	48V	60V-90V	550W	3.0m³/h	19m	1"	5m	<100V	≥750w
154 HD-SQDX10-11-48-550	48V	60V-90V	550W	10m³/h	11m	1.5"	5m	<100V	≥750w
155 HD-SQDX1.5-32-48-750	48V	60V-90V	750W	1.5m³/h	32m	1"	5m	<100V	≥1000w
156 HD-SQDX10-16-48-750	48V	60V-90V	750W	10m³/h	16m	1.5"	5m	<100V	≥1000w
157 HD-SQDX15-10-48-750	48V	60V-90V	750W	15m³/h	10m	2"	5m	<100V	≥1000w
158 HD-SQDX15-15-72-1100	72V	90V-120V	1100W	15m³/h	15m	2"	5m	<150V	≥1500w
159 HD-SQDX40-7-72-1100	72V	90V-120V	1100W	40m³/h	7m	3"	5m	<150V	≥1500w
160 HD-SQDX50-7-110-1500	110V	110V-150V	1500W	50m³/h	7m	4"	5m	<200V	≥2000w
161 HD-SQDX65-8-220/300-2200	AC220V DC300V	300V-400V	2200W	65m³/h	8m	4"	5m	<450V	≥3000w

HD-SOLAR AERATOR

BRUSHLESS SOLAR PUMP

Solar Aerator

DC controller

AC/DC controller

Solar Paddle Wheel Aerator

Solar Impeller Aerator

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 fishing

SOLAR AERATOR

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Solar panel	
							open voltage	Power
151 HD-SA27-5-48-750	48V	60V-90V	750W	27m³/h	5m	3"	<100V	≥1000W
151 HD-SA32-7-72-1100	72V	90V-120V	1100W	32m³/h	7m	3"	<150V	≥1500W
152 HD-SA43-7-110-1500	110V	110V-150V	1500W	43m³/h	7m	3"	<200V	≥2000W
153 HD-SA60-5-220/300-2200	AC220/DC300V	300V-400V	2200W	60m³/h	5m	4"	<450V	≥3000W

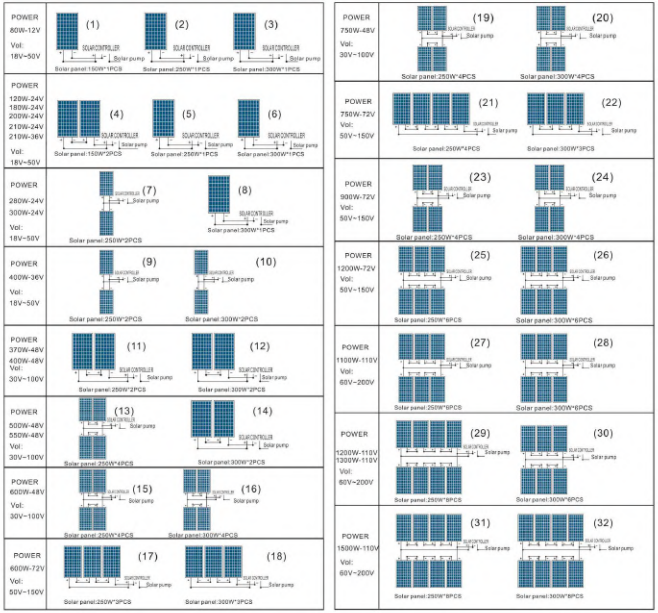
SOLAR PADDLE WHEEL AERATOR

ITEM	Voltage	Best DC Voltage	Power	Oxygenation rate(kgo/h)	Covering Area(m²)	Quantity of impeller	Solar panel	
							open voltage	Power
154 HD-SWA-110-1500	110V	110V-150V	1500W	≥1.1	2000-6000	4	<200V	≥2000W
155 HD-SWA-220/300-2200	AC220/DC300V	300V-400V	2200W	≥1.5	2665-8000	8	<450V	≥3000W

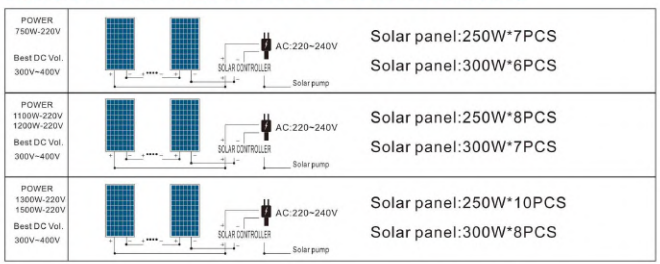
SOLAR IMPELLER AERATOR

ITEM	Voltage	Best DC Voltage	Power	Oxygenation rate(kgo/h)	Covering Area(m²)	Solar panel	
						open voltage	Power
156 HD-SIA-110-1500	110V	110V-150V	1500W	≥1.6	2000-4000	<200V	≥2000W
157 HD-SIA-220/300-2200-A/D	AC220/DC300V	300V-400V	2200W	≥1.8	2665-5328	<450V	≥3000W
158 HD-SIA-380/450-3000-A/D	AC380/DC450V	480V-750V	3000W	≥4.5	2665-5328	<800V	≥4000W

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