TPON®
THE PORTER OF NATURE

NINGBO GUANGHAN PUMP CO.,LTD

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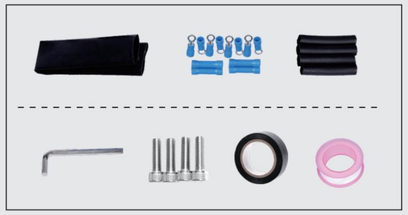
TPON®
THE PORTER OF NATURE

SOLAR WATER PUMP

Professional manufacturer

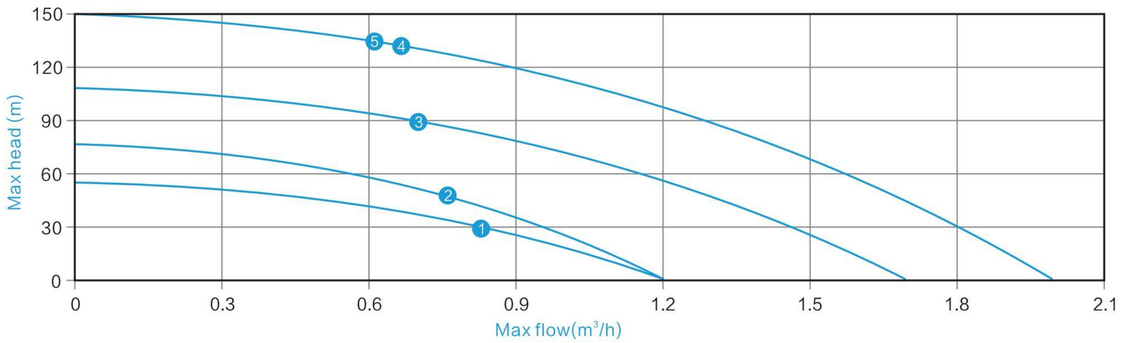
3TPS
3"SCREW SOLAR PUMP

FREE SPARE PARTS



DC controller

PERFORMANCE CURVES

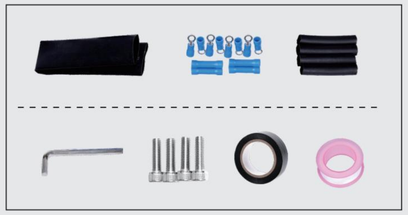


TECHNICAL DATA

No.	Model	Power(w)	Voltage(v)	Max flow(m³/h)	Max head (m)	Outlet(inch)
1	3TPS1.2-56-24-120	120	24	1.2	56	0.75"
2	3TPS1.2-77-24-210	210	24	1.2	77	0.75"
3	3TPS1.7-109-48-500	500	48	1.7	109	0.75"
4	3TPS2.0-150-48-750	750	48	2.0	150	0.75"
5	3TPS2.0-150-72-750	750	72	2.0	150	0.75"

3TPPC
3"SOLAR PUMP WITH PLASTIC IMPELLER

FREE SPARE PARTS

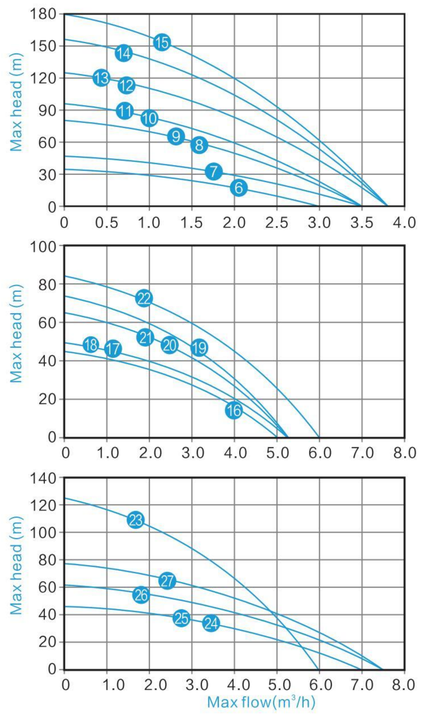


DC controller

TECHNICAL DATA

No.	Model	Power (w)	Voltage (v)	Max flow (m³/h)	Max head (m)	Outlet (inch)
6	3TPPC3-35-24-300	300	24	3	35	1.25
7	3TPPC3.5-47-48-400	400	48	3.5	47	1.25
8	3TPPC3.5-80-48-600	600	48	3.5	80	1.25
9	3TPPC3.5-80-72-600	600	72	3.5	80	1.25
10	3TPPC3.5-95-48-750	750	48	3.5	95	1.25
11	3TPPC3.5-95-72-750	750	72	3.5	95	1.25
12	3TPPC3.8-123-72-1100	1100	72	3.8	123	1.25
13	3TPPC3.8-123-96-1100	1100	96	3.8	123	1.25
14	3TPPC3.8-155-96-1300	1300	96	3.8	155	1.25
15	3TPPC3.8-180-96-1500	1500	96	3.8	180	1.25
16	3TPPC5-45-48-500	500	48	5	45	1.5
17	3TPPC5.2-50-48-600	600	48	5.2	50	1.5
18	3TPPC5.2-50-72-600	600	72	5.2	50	1.5
19	3TPPC5.2-75-96-750	750	96	5.2	75	1.5
20	3TPPC5.5-65-72-750	750	72	5.5	65	1.5
21	3TPPC5.5-65-96-750	750	96	5.5	65	1.5
22	3TPPC6-84-96-1100	1100	96	6	84	1.5
23	3TPPC6-125-96-1500	1500	96	6	125	1.5
24	3TPPC7-46-72-750	750	72	7	46	1.5
25	3TPPC7-46- 96-750	750	96	7	46	1.5
26	3TPPC7.5-62-96-1100	1100	96	7.5	62	1.5
27	3TPPC7.5-78-96-1500	1500	96	7.5	78	1.5

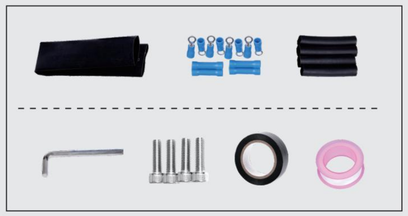
PERFORMANCE CURVES



3TPSC

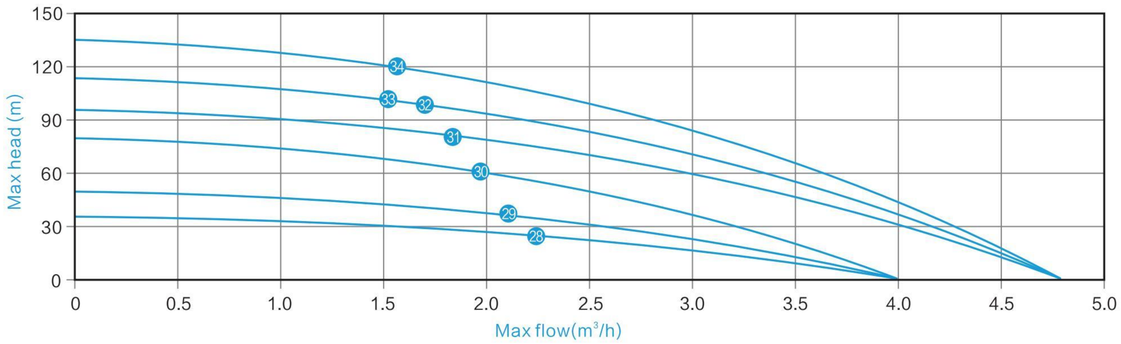
3"SOLAR PUMP WITH S/S IMPELLER

FREE SPARE PARTS



DC controller

PERFORMANCE CURVES



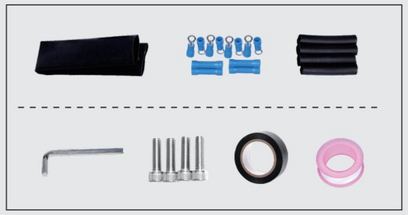
TECHNICAL DATA

No.	Model	Power(w)	Voltage(v)	Max flow(m^3/h)	Max head (m)	Outlet(inch)
28	3TPSC4-35-24-300	300	24	4	35	1.25"
29	3TPSC4-50-48-400	400	48	4	50	1.25"
30	3TPSC4-80-48-600	600	48	4	80	1.25"
31	3TPSC4.8-95-72-750	750	72	4.8	95	1.25"
32	3TPSC4.8-112-72-1100	1100	72	4.8	112	1.25"
33	3TPSC4.8-112-96-1100	1100	96	4.8	112	1.25"
34	3TPSC4.8-135-96-1500	1500	96	4.8	135	1.25"

4TPPC

4"SOLAR PUMP WITH PLASTIC IMPELLER

FREE SPARE PARTS

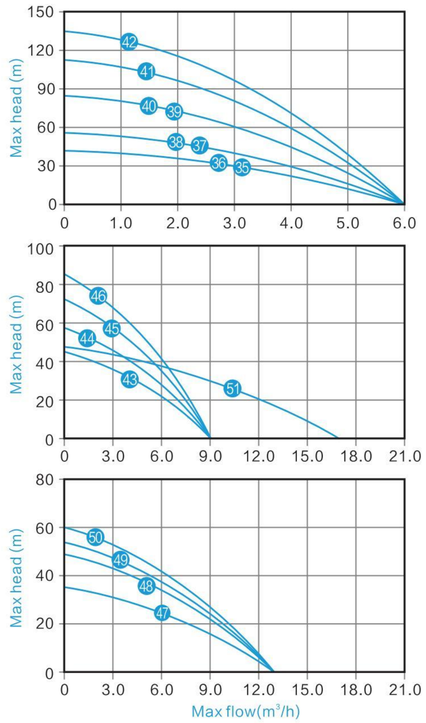


DC controller

TECHNICAL DATA

No.	Model	Power (w)	Voltage (v)	Max flow (m^3/h)	Max head (m)	Outlet (inch)
35	4TPPC6-42-48-600	600	48	6	42	1.25"
36	4TPPC6-42-72-600	600	72	6	42	1.25"
37	4TPPC6-56-48-750	750	48	6	56	1.25"
38	4TPPC6-56-72-750	750	72	6	56	1.25"
39	4TPPC6-84-72-1100	1100	72	6	84	1.25"
40	4TPPC6-84-96-1100	1100	96	6	84	1.25"
41	4TPPC6-112-96-1300	1300	96	6	112	1.25"
42	4TPPC6-135-96-1500	1500	96	6	135	1.25"
43	4TPPC9-45-96-750	750	96	9	45	2"
44	4TPPC9-58-96-1100	1100	96	9	58	2"
45	4TPPC9-71-96-1300	1300	96	9	71	2"
46	4TPPC9-85-96-1500	1500	96	9	85	2"
47	4TPPC13-36-96-750	750	96	13	36	2"
48	4TPPC13-49-96-1100	1100	96	13	49	2"
49	4TPPC13-54-96-1300	1300	96	13	54	2"
50	4TPPC13-60-96-1500	1500	96	13	60	2"
51	4TPPC17-48-96-1500	1500	96	17	48	2"

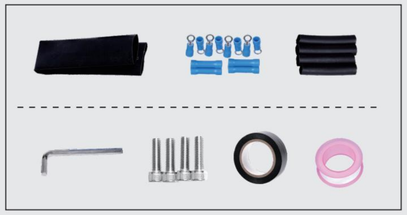
PERFORMANCE CURVES



4TPLC

4"SOLAR PUMP WITH PLASTIC IMPELLER

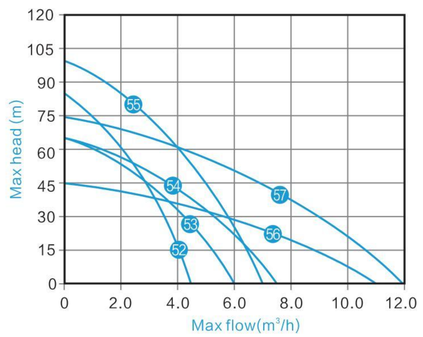
FREE SPARE PARTS

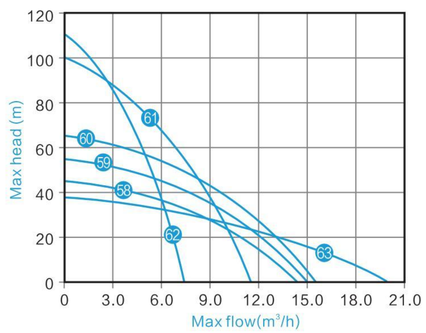


TECHNICAL DATA

No.	Model	Power (w)	Voltage (v)	Max flow (m^3/h)	Max head (m)	Outlet (inch)
52	4TPLC4.5-85-96-750	750	96	4.5	85	1.25"
53	4TPLC6-65-72-550	550	72	6	65	1.25"
54	4TPLC7.5-65- 96-750	750	96	7.5	65	1.5"
55	4TPLC7-100-72-1100	1100	72	7	100	1. 5"
56	4TPLC11-45-72-550	550	72	11	45	2"
57	4TPLC12-75-72-1100	1100	72	12	75	2"
58	4TPLC14.5-45-96-750	750	96	14.5	45	2"
59	4TPLC15-55-72-1100	1100	72	15	55	2"
60	4TPLC15.5-65-96-1500	1500	96	15.5	65	2"
61	4TPLC11. 5-100-96-1500	1500	96	11.5	100	2"
62	4TPLC75-110-96-1500	1500	96	7.5	110	2"
63	4TPLC20-38-96-1500	1500	96	20	38	2"

PERFORMANCE CURVES

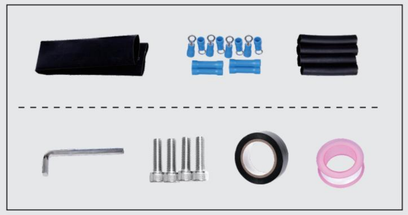




4TPSC&4/6TPSC

4"/6"SOLAR PUMP WITH S/S IMPELLER

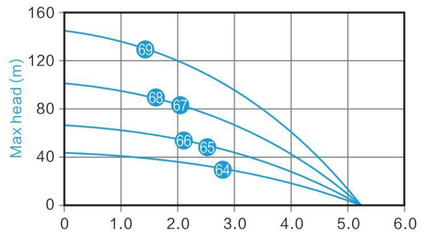
FREE SPARE PARTS

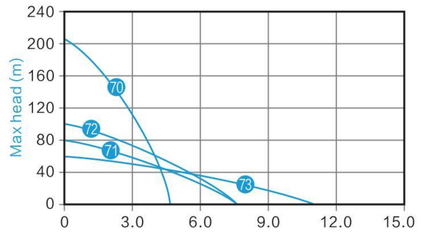


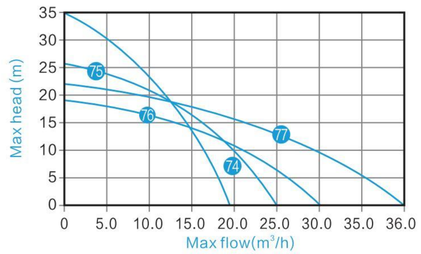
TECHNICAL DATA

No.	Model	Power (w)	Voltage (v)	Max flow (m^3/h)	Max head (m)	Outlet (inch)
64	4TPSC5.2-45-48-500	500	48	5.2	45	1.25"
65	4TPSC5.2-67-48-750	750	48	5.2	67	1.25"
66	4TPSC5.2-67-72-750	750	72	5.2	67	1.25"
67	4TPSC5.2-101-72-1100	1100	72	5.2	101	1.25"
68	4TPSC5.2-101-96-1100	1100	96	5.2	101	1.25"
69	4TPSC5.2-146-96-1300	1300	96	5.2	146	1.25"
70	4TPSC4.8-203-96-1500	1500	96	4.8	203	1.25"
71	4TPSC7.5-80-96-1300	1300	96	7.5	80	1.25"
72	4TPSC7.5-100-96-1500	1500	96	7.5	100	1.25"
73	4TPSC11-60-96-1500	1500	96	11	60	2"
74	4TPSC19-35-96-1500	1500	96	19	35	2"
75	4TPSC25-26-96-1500	1500	96	25	26	2"
76	4/6TPSC30-19-72-1100	1100	72	30	19	3"
77	4/6TPSC36-22-96-1500	1500	96	36	22	3"

PERFORMANCE CURVES



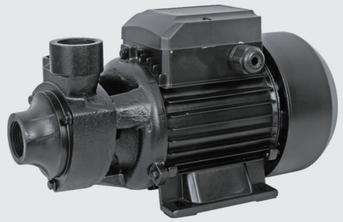




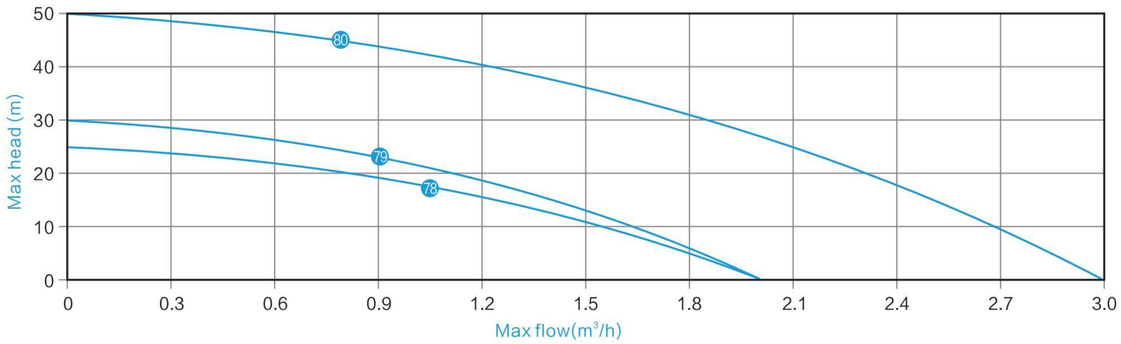
TPQB
SURFACE SOLAR PUMP

DC controller

FREE SPARE PARTS



PERFORMANCE CURVES



TECHNICAL DATA

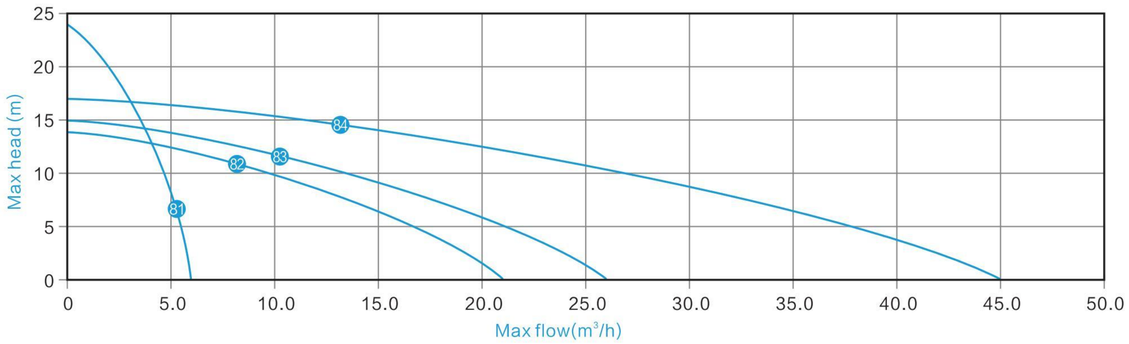
No.	Model	Power(w)	Voltage(v)	Max flow(m^3/h)	Max head (m)	Outlet(inch)
78	TPQB2-25-24-210	210	24	2	25	1"
79	TPQB2-30-24-280	280	24	2	30	1"
80	TPQB3-50-48-550	550	48	3	50	1"

TPHF
SURFACE SOLAR PUMP

DC controller

FREE SPARE PARTS

PERFORMANCE CURVES



TECHNICAL DATA

No.	Model	Power(w)	Voltage(v)	Max flow(m^3/h)	Max head (m)	Outlet(inch)
81	TPHF6-24-48-550	550	48	6	24	1"
82	TPHF21-14-72-750	750	72	21	14	2"
83	TPHF26-15-72-1100	1100	72	26	15	2"
84	TPHF45-17-96-1500	1500	96	45	17	3"

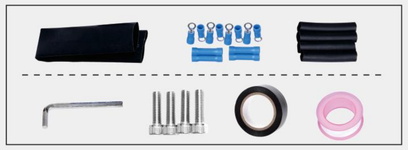
3TPPC-A/D 3TPPC-HV

3"AC/DC & WIDE VOLTAGE BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER

AC/DC auto-switching controller

Wide Voltage HV Controller

FREE SPARE PARTS

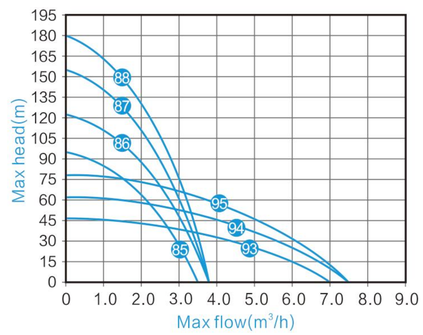


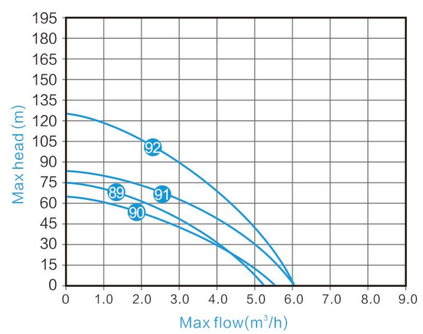
Two design for selection

TECHNICAL DATA

No.	Model	(AC) Voltage (v)	Power (W)	(DC) Voltage (v)	Max flow (m^3/h)	Max head (m)	Outlet (inch)
85	3TPPC3.5-95-110-750-A/D	85V-280V	750W	80V-430V	3.5m^3/h	95m	1.25"
	3TPPC3.5-95-110-750-HV	/					
86	3TPPC3.8-123-150-1100-A/D	85V-280V	1100W	80V-430V	3.8m^3/h	123m	1.25"
	3TPPC3.8-123-150-1100-HV	/					
87	3TPPC3.8-155-150-1300-A/D	85V-280V	1300W	80V-430V	3.8m^3/h	155m	1.25"
	3TPPC3.8-155-150-1300-HV	/					
88	3TPPC3.8-180-200-1500-A/D	85V-280V	1500W	80V-430V	3.8m^3/h	180m	1.25"
	3TPPC3.8-180-200-1500-HV	/					
89	3TPPC5.2-75-110-750-A/D	85V-280V	750W	80V-430V	5.2m^3/h	75m	1.5"
	3TPPC5.2-75-110-750-HV	/					
90	3TPPC5.5-65-110-750-A/D	85V-280V	750W	80V-430V	5.5m^3/h	65m	1.5"
	3TPPC5.5-65-110-750-HV	/					
91	3TPPC6-84-150-1100-A/D	85V-280V	1100W	80V-430V	6m^3/h	84m	1.5"
	3TPPC6-84-150-1100-HV	/					
92	3TPPC6-125-200-1500-A/D	85V-280V	1500W	80V-430V	6m^3/h	125m	1.5"
	3TPPC6-125-200-1500-HV	/					
93	3TPPC7-46-110-750-A/D	85V-280V	750W	80V-430V	7m^3/h	46m	1.5"
	3TPPC7-46-110-750-HV	/					
94	3TPPC7.5-62-150-1100-A/D	85V-280V	1100W	80V-430V	7.5m^3/h	62m	1.5"
	3TPPC7.5-62-150-1100-HV	/					
95	3TPPC7.5-78-200-1500-A/D	85V-280V	1500W	80V-430V	7.5m^3/h	78m	1.5"
	3TPPC7.5-78-200-1500-HV	/					

PERFORMANCE CURVES





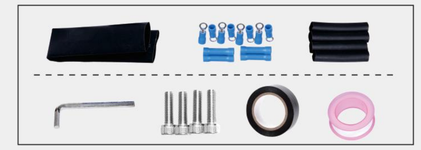
3TPSC-A/D 3TPSC-HV

3"AC/DC & WIDE VOLTAGE BRUSHLESS SOLAR PUMP WITH S/S IMPELLER

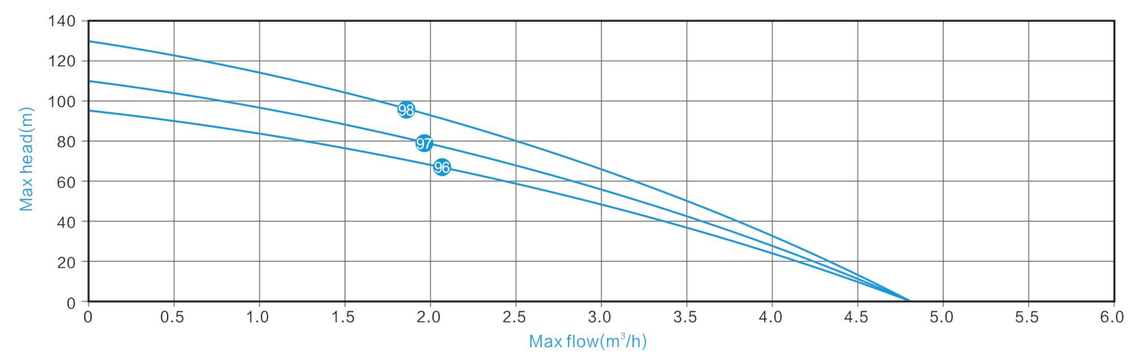
AC/DC auto-switching controller

Wide Voltage HV Controller

FREE SPARE PARTS



PERFORMANCE CURVES



TECHNICAL DATA

No.	Model	(AC) Voltage (v)	Power (W)	(DC) Voltage (v)	Max flow (m^3/h)	Max head (m)	Outlet (inch)
96	3TPSC4.8-95-110-750-A/D	85V-280V	750w	80V-430V	4.8m^3/h	95m	1.25"
	3TPSC4.8-95-110-750-HV	/					
97	3TPSC4.8-110-150-1100-A/D	85V-280V	1100w	80V-430V	4.8m^3/h	110m	1.25"
	3TPSC4.8-110-150-1100-HV	/					
98	3TPSC4.8-130-200-1500-A/D	85V-280V	1500w	80V-430V	4.8m^3/h	130m	1.25"
	3TPSC4.8-130-200-1500-HV	/					

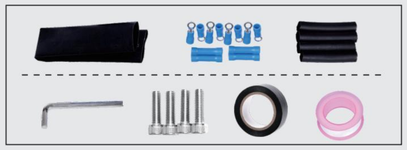
4TPPC-A/D 4TPPC-HV

4"AC/DC & WIDE VOLTAGE BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER

AC/DC auto-switching controller

Wide Voltage HV Controller

FREE SPARE PARTS

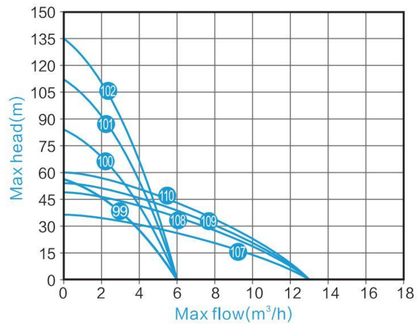


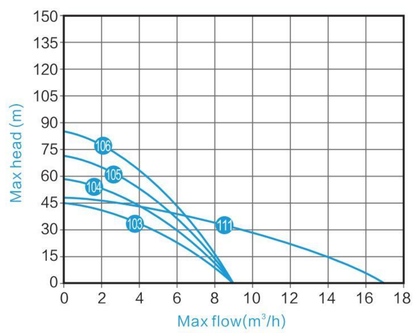
Two design for selection

TECHNICAL DATA

No.	Model	(AC) Voltage (v)	Power (W)	(DC) Voltage (v)	Max flow (m^3/h)	Max head (m)	Outlet (inch)
99	4TPPC6-56-110-750-A/D	85V-280V	750W	80V-430V	6m^3/h	56m	1.25"
	4TPPC6-56-110-750-HV	/					
100	4TPPC6-84-150-1100-A/D	85V-280V	1100W	80V-430V	6m^3/h	84m	1.25"
	4TPPC6-84-150-1100-HV	/					
101	4TPPC6-112-150-1300-A/D	85V-280V	1300W	80V-430V	6m^3/h	112m	1.25"
	4TPPC6-112-150-1300-HV	/					
102	4TPPC6-135-200-1500-A/D	85V-280V	1500W	80V-430V	6m^3/h	135m	1.25"
	4TPPC6-135-200-1500-HV	/					
103	4TPPC9-45-110-750-A/D	85V-280V	750W	80V-430V	9m^3/h	45m	2"
	4TPPC9-45-110-750-HV	/					
104	4TPPC9-58-150-1100-A/D	85V-280V	1100W	80V-430V	9m^3/h	58m	2"
	4TPPC9-58-150-1100-HV	/					
105	4TPPC9-71-150-1300-A/D	85V-280V	1300W	80V-430V	9m^3/h	71m	2"
	4TPPC9-71-150-1300-HV	/					
106	4DPC9-85-200-1500-A/D	85V-280V	1500W	80V-430V	9m^3/h	85m	2"
	4TPPC9-85-200-1500-HV	/					
107	4DPC13-36-110-750-A/D	85V-280V	750W	80V-430V	13m^3/h	36m	2"
	4TPPC13-36-110-750-HV	/					
108	4TPPC13-49-150-1100-A/D	85V-280V	1100W	80V-430V	13m^3/h	49m	2"
	4TPPC13-49-150-1100-HV	/					
109	4TPPC13-54-150-1300-A/D	85V-280V	1300W	80V-420V	13m^3/h	54m	2"
	4TPPC13-54-150-1300-HV	/					
110	4TPPC13-60-200-1500-A/D	85V-280V	1500W	80V-430V	13m^3/h	60m	2"
	4TPPC13-60-200-1500-HV	/					
111	4TPPC17-48-200-1500-A/D	85V-280V	1500W	80V-430V	17m^3/h	48m	2"
	4TPPC17-48-200-1500-HV	/					

PERFORMANCE CURVES





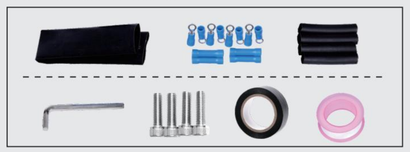
4TPLR-A/D 4TPLR-HV

4"AC/DC & WIDE VOLTAGE BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER

AC/DC auto-switching controller

Wide Voltage HV Controller

FREE SPARE PARTS

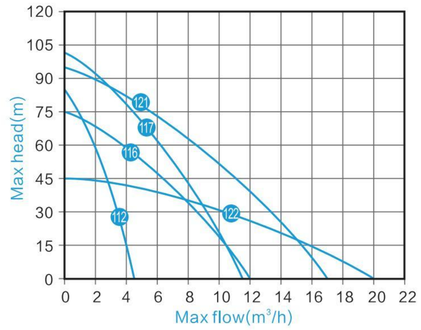


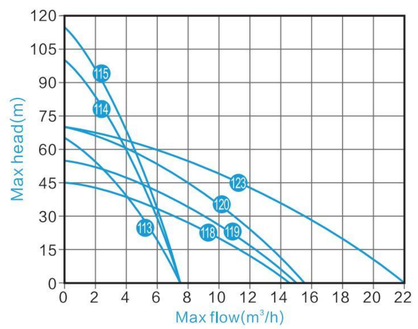
Two design for selection

TECHNICAL DATA

No.	Model	(AC) Voltage (v)	Power (W)	(DC) Voltage (v)	Max flow (m^3/h)	Max head (m)	Outlet (inch)
112	4TPLR4.5-85-110-750-A/D	85V-280V	750W	80V-430V	4. 5m^3/h	85m	1.25"
	4TPLR4.5-85-110-750-HV	/					
113	4TPLR7.5-65-110-750-A/D	85V-280V	750W	80V-430V	7.5m^3/h	65m	2"
	4TPLR7.5-65-110-750-HV	/					
114	4TPLR7.5-100-150-1100-A/D	85V-280V	1100W	80V-430V	7.5m^3/h	100m	2"
	4TPLR7.5-100-150-1100-HV	/					
115	4TPLR7.5-110-200-1500-A/D	85V-280V	1500W	80V-430V	7.5m^3/h	110m	2"
	4TPLR7.5-110-200-1500-HV	/					
116	4TPLR12-75-150-1100-A/D	85V-280V	1100W	80V-430V	12m^3/h	75m	2"
	4TPLR12-75-150-1100-HV	/					
117	4TPLR11.5-100-200-1500-A/D	85V-280V	1500W	80V-430V	11.5m^3/h	100m	2"
	4TPLR11.5-100-200-1500-HV	/					
118	4TPLR14.5-45-110-750-A/D	85V-280V	750W	80V-430V	14. 5m^3/h	45m	2"
	4TPLR14.5-45-110-750-HV	/					
119	4TPLR15-55-150-1100-A/D	85V-280V	1100W	80V-430V	15m^3/h	55m	2"
	4TPLR15-55-150-1100-HV	/					
120	4TPLR15.5-70-200-1500-A/D	85V-280V	1500W	80V-430V	15.5m^3/h	70m	2"
	4TPLR15.5-70-200-1500-HV	/					
121	4TPLR17-95-300-2200-A/D	85V-280V	2200W	80V-430V	17m^3/h	95m	2"
	4TPLR17-95-300-2200-HV	/					
122	4TPLR20-45-200-1500-A/D	85V-280V	1500W	80V-430V	20m^3/h	45m	2"
	4TPLR20-45-200-1500-HV	/					
123	4TPLR22-70-300-2200-A/D	85V-280V	2200W	80V-430V	22m^3/h	70m	2"
	4TPLR22-70-300-2200-HV	/					

PERFORMANCE CURVES





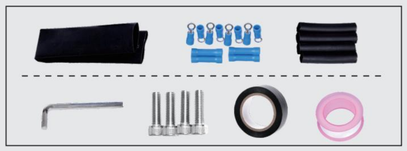
4TPPC-A/D 4TPPC-HV

4"AC/DC & WIDE VOLTAGE BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER

AC/DC auto-switching controller

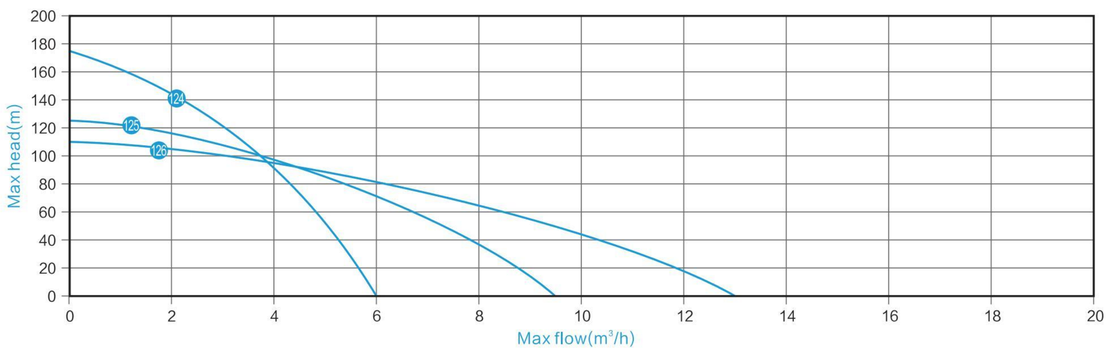
Wide Voltage HV Controller

FREE SPARE PARTS



Two design for selection

PERFORMANCE CURVES



TECHNICAL DATA

No.	Model	(AC) Voltage (v)	Power (W)	(DC) Voltage (v)	Max flow (m^3/h)	Max head (m)	Outlet (inch)
124	4TPPC6-175-300-2200-A/D	85V-280V	2200W	80V-430V	6m^3/h	175m	1.25"
	4TPPC6-175-300-2200-HV	/					
125	4TPPC9.5-125-300-2200-A/D	85V-280V	2200W	80V-430V	9.5m^3/h	125m	2
	4TPPC9.5-125-300-2200-HV	/					
126	4TPPC13-110-300-2200-A/D	85V-280V	2200W	80V-430V	13m^3/h	110m	2
	4TPPC13-110-300-2200-HV	/					

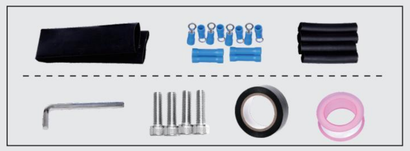
4TPSC-A/D 4TPSC-HV

4"AC/DC & WIDE VOLTAGE BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER

AC/DC auto-switching controller

Wide Voltage HV Controller

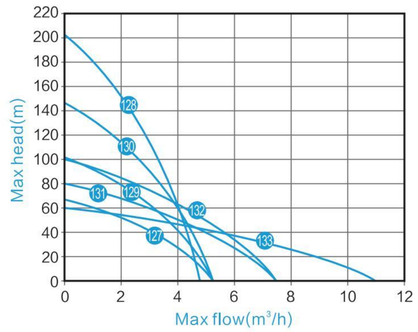
FREE SPARE PARTS

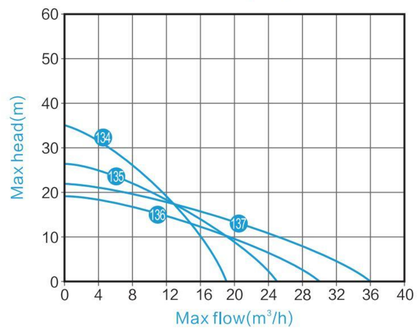


TECHNICAL DATA

No.	Model	(AC) Voltage (v)	Power (W)	(DC) Voltage (v)	Max flow (m^3/h)	Max head (m)	Outlet (inch)
127	4TPSC5.2-67-110-750-A/D	85V-280V	750W	80V-430V	5.2m^3/h	67m	1.25"
	4TPSC5.2-67-110-750-HV	/					
128	4TPSC4.8-203-200-1500-A/D	85V-280V	1500W	80V-430V	4.8m^3/h	203m	1.25"
	4TPSC4.8-203-200-1500-HV	/					
129	4TPSC5.2-101-150-1100-A/D	85V-280V	1100W	80V-430V	5.2m^3/h	101m	1.25"
	4TPSC5.2-101-150-1100-HV	/					
130	4TPSC5.2-146-200-1300-A/D	85V-280V	1300W	80V-430V	5.2m^3/h	146m	1.25"
	4TPSC5.2-146-200-1300-HV	/					
131	4TPSC7.5-80-150-1300-A/D	85V-280V	1300W	80V-430V	7.5m^3/h	80m	1.25"
	4TPSC7.5-80-150-1300-HV	/					
132	4TPSC7.5-100-200-1500-A/D	85V-280V	1500W	80V-430V	7.5m^3/h	100m	1.25"
	4TPSC7.5-100-200-1500-HV	/					
133	4TPSC11-60-200-1500-A/D	85V-280V	1500W	80V-430V	11m^3/h	60m	2"
	4TPSC11-60-200-1500-HV	/					
134	4TPSC19-35-200-1500-A/D	85V-280V	1500W	80V-430V	19m^3/h	35m	2"
	4TPSC19-35-200-1500-HV	/					
135	4TPSC25-26-200-1500-A/D	85V-280V	1500W	80V-430V	25m^3/h	26m	2"
	4TPSC25-26-200-1500-HV	/					
136	4/6TPSC30-19-150-1100-A/D	85V-280V	1100W	80V-430V	30m^3/h	19m	3"
	4/6TPSC30-19-150-1100-HV	/					
137	4/6TPSC36-22-200-1500-A/D	85V-280V	1500W	80V-430V	36m^3/h	22m	3"
	4/6TPSC36-22-200-1500-HV	/					

PERFORMANCE CURVES





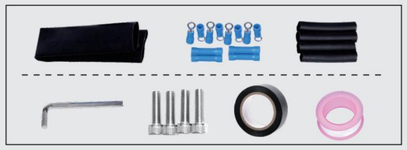
4TPSC-A/D 4TPSC-HV

4"AC/DC & WIDE VOLTAGE BRUSHLESS SOLAR PUMP WITH S/S IMPELLER

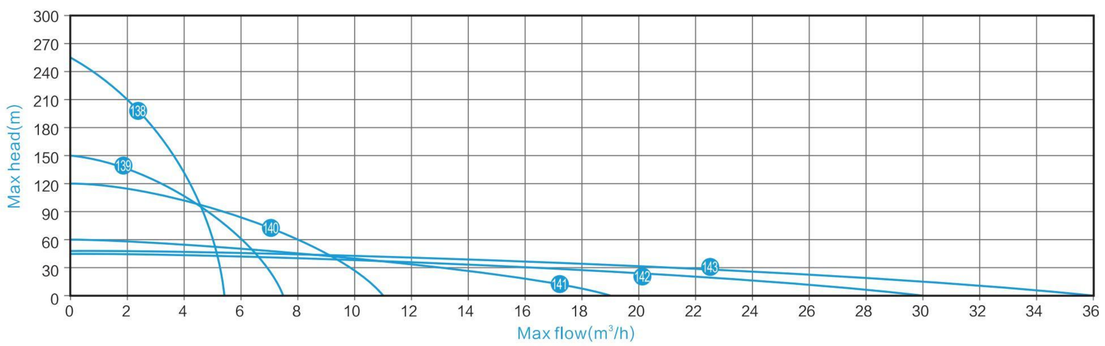
AC/DC auto-switching controller

Wide Voltage HV Controller

FREE SPARE PARTS



PERFORMANCE CURVES



TECHNICAL DATA

No.	Model	(AC) Voltage (v)	Power (W)	(DC) Voltage (v)	Max flow (m^3/h)	Max head (m)	Outlet (inch)
138	4TPSC5.2-255-300-2200-A/D	85V-280V	2200W	80V-430V	5.2m^3/h	255m	1.25"
	4TPSC5.2-255-300-2200-HV	/					
139	4TPSC7.5-150-300-2200-A/D	85V-280V	2200W	80V-430V	7.5m^3/h	150m	1.25"
	4TPSC7.5-150-300-2200-HV	/					
140	4TPSC11-120-300-2200-A/D	85V-280V	2200W	80V-430V	11m^3/h	120m	2"
	4TPSC11-120-300-2200-HV	/					
141	4TPSC19-60-300-2200-A/D	85V-280V	2200W	80V-430V	19m^3/h	60m	2"
	4TPSC19-60-300-2200-HV	/					
142	4TPSC30-36-300-2200-A/D	85V-280V	2200W	80V-430V	30m^3/h	36m	2"
	4TPSC30-36-300-2200-HV	/					
143	4/6TPSC36-38-300-2200-A/D	85V-280V	2200W	80V-430V	36m^3/h	38m	3"
	4/6TPSC36-38-300-2200-HV	/					

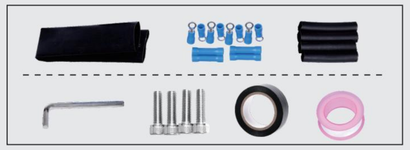
4TPHF-A/D 4TPHF-HV

4"AC/DC & WIDE VOLTAGE BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER

AC/DC auto-switching controller

Wide Voltage HV Controller

FREE SPARE PARTS

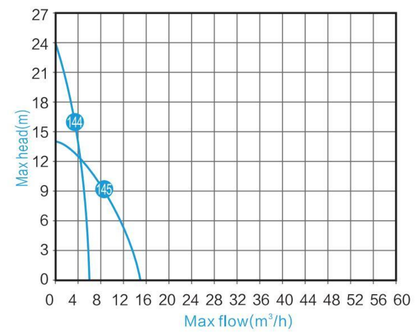


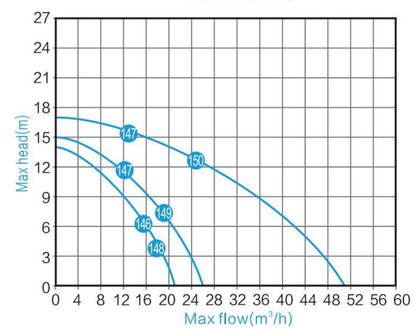
TECHNICAL DATA

No.	Model	Power (W)	Voltage (v)	Max flow (m^3/h)	Max head (m)	Outlet (inch)
144	TPHF6-24-48-550	550W	48V	6m^3/h	24m	1"
145	TPHF15-14-48-550	550W	48V	15m^3/h	14m	1.5"
146	TPHF21-14-72-750	750W	72V	21m^3/h	14m	2"
147	TPHF26-15- 72-1100	1100W	72V	26m^3/h	15m	2"
148	TPHF50-17-110-1500	1500W	110V	50m^3/h	17m	3"

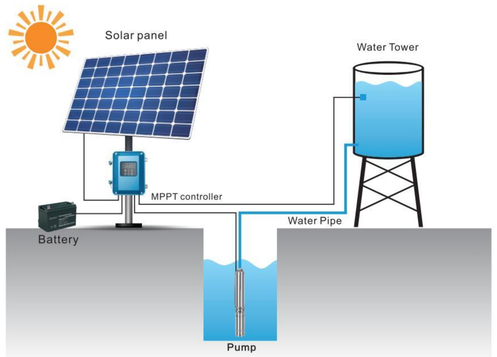
No.	Model	(AC) Voltage (v)	Power (W)	(DC) Voltage (v)	Max flow (m^3/h)	Max head (m)	Outlet (inch)
149	TPHF21-14-110-750-A/D	85V-280V	750W	80V-430V	21m^3/h	14m	2"
	TPHF21-14-110-750-HV	/					
150	TPHF26-15-110-1100-A/D	85V-280V	1100W	80V-430V	26m^3/h	15m	2"
	TPHF26-15-110-1100-HV	/					
151	TPHF50-17-110-1500-A/D	85V-280V	1500W	80V-430V	50m^3/h	17m	3"
	TPHF50-17-110-1500-HV	/					

PERFORMANCE CURVES

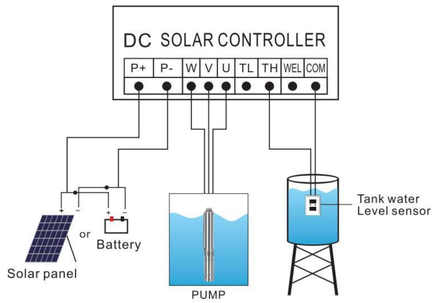




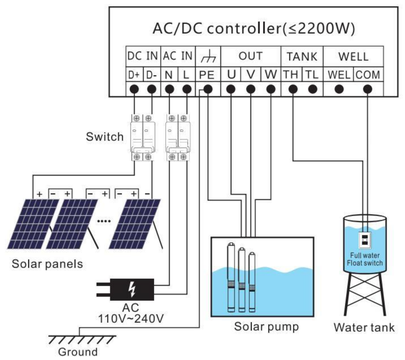
System installation drawing



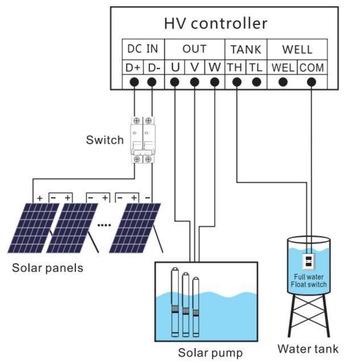
DC EXTERNAL CONTROLLER TYPE



DC:24-96V



AC:85-280V
DC:80-430V



DC:80-430V

Working environment and electrical property

Controller and Pump Matching Method					
Controller Model	Adaptable Pump	Max.Input Current(A)	Max.Open Circuit Voltage(V)	MPPT Voltage Range(V)	Working Temperature(℃)
TP-24	Rated 24V Pump	17	<48	30-48	-15-60
TP-48	Rated 48V Pump	17	<100	60-90	-15-60
TP-72	Rated 72V Pump	17	<150	90-120	-15-60
TP-96	Rated 96V Pump	17	<200	110-150	-15-60
TP-110-A/D	Rated 110V-A/D Pump	17	<430	110-400	-15-60
TP-150-A/D	Rated 150V-A/D Pump	17	<430	150-400	-15-60
TP-200-A/D	Rated 200V-A/D Pump	17	<430	200-400	-15-60
TP-300-A/D	Rated 300V-A/D Pump	17	<430	300-400	-15-60
TP-110-HV	Rated 110V-HV Pump	17	<430	110-400	-15-60
TP-150-HV	Rated 150V-HV Pump	17	<430	150-400	-15-60
TP-200-HV	Rated 200V-HV Pump	17	<430	200-400	-15-60
TP-300-HV	Rated 300V-HV Pump	17	<430	300-400	-15-60

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

PUMP POWER 80W-12V Voc: 18V~50V	(1) (2) (3)	Solar panel:150W*1PCS Solar panel:270W*1PCS Solar panel:330W*1PCS
PUMP POWER 120W-24V 180W-24V 200W-24V 210W-24V 210W-36V Voc: 18V~50V	(4) (5) (6)	Solar panel:150W*2PCS Solar panel:270W*1PCS Solar panel:330W*1PCS
PUMP POWER 280W-24V 300W-24V Voc: 18V~50V	(7) (8)	Solar panel:270W*2PCS Solar panel:330W*1PCS
PUMP POWER 400W-36V Voc: 18V~50V	(9) (10)	Solar panel:270W*2PCS Solar panel:330W*2PCS
PUMP POWER 370W-48V 400W-48V Voc: 30V~100V	(11) (12)	Solar panel:270W*2PCS Solar panel:330W*2PCS
PUMP POWER 500W-48V 550W-48V Voc: 30V~100V	(13) (14)	Solar panel:270W*4PCS Solar panel:330W*2PCS
PUMP POWER 600W-48V Voc: 30V~100V	(15) (16)	Solar panel:270W*4PCS Solar panel:330W*4PCS
PUMP POWER 600W-72V Voc: 50V~150V	(17) (18)	Solar panel:270W*3PCS Solar panel:330W*3PCS
PUMP POWER 750W-48V Voc: 30V~100V	(19) (20)	Solar panel:270W*4PCS Solar panel:330W*4PCS
PUMP POWER 750W-72V Voc: 50V~150V	(21) (22)	Solar panel:270W*4PCS Solar panel:330W*3PCS
PUMP POWER 900W-72V Voc: 50V~150V	(23) (24)	Solar panel:270W*4PCS Solar panel:330W*3PCS
PUMP POWER 1100W-72V Voc: 50V~150V	(25) (26)	Solar panel:270W*6PCS Solar panel:330W*6PCS
PUMP POWER 1100W-110V Voc: 60V~200V	(27) (28)	Solar panel:270W*6PCS Solar panel:330W*6PCS
PUMP POWER 1300W-110V Voc: 60V~200V	(29) (30)	Solar panel:270W*8PCS Solar panel:330W*6PCS
PUMP POWER 1500W-110V Voc: 60V~200V	(31) (32)	Solar panel:270W*8PCS Solar panel:330W*8PCS

Solar panel recommendation for AC/DC & HV solar pump

PUMP POWER 750W-220V AC:85V~280V DC:80V~430V	AC:220~240V	Solar panel:270W*3-7PCS Solar panel:330W*4-6PCS
PUMP POWER 1100W-220V 1200W-220V AC:85V~280V DC:80V~430V	AC:220~240V	Solar panel:270W* 6-8PCS Solar panel:330W*5-7PCS
PUMP POWER 1300W-220V 1500W-220V AC:85V~280V DC:80V~430V	AC:220~240V	Solar panel:270W*8-9PCS Solar panel:330W*6-8PCS
PUMP POWER 2200W-220V AC:85V~280V DC:80V~430V	AC:220~240V	Solar panel:270W*10PCS Solar panel:330W*8-9PCS