

CANNED MOTOR PUMP WATER-FILLED MOTOR

NEW
WATER
COOLING



WATER COOLING

Solar Pump

CANNED MOTOR PUMP WATER-FILLED MOTOR



HIGH EFFICIENCY



ENERGY CONSERVATION



ENVIRONMENTAL PROTECTION



QUALITY ASSURANCE

The Difference Between Larens New Controller Design And Traditional Solar Pump Controller Install Box



Big Electric box

10.78 KG

New



PRO TYPE

5.18 KG



Fan Cooling



Waterproof
IP65



Air Switch
Inside



Remote control



Catalogue

DC Solar Pump

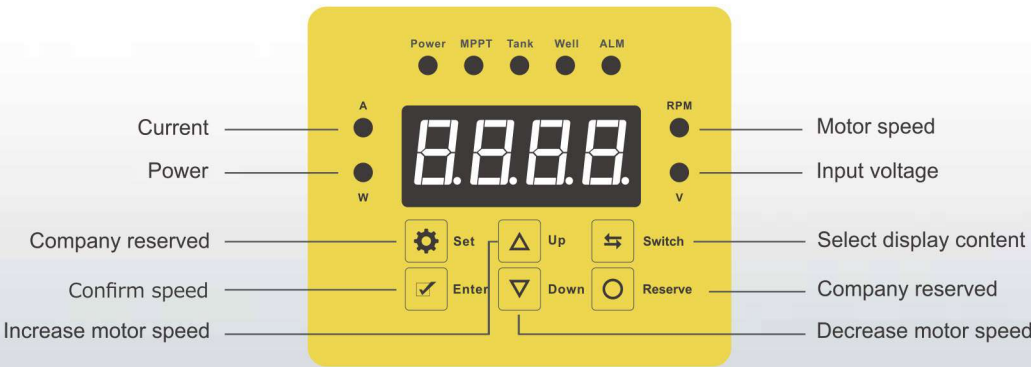
- ☆ Permanent magnet DC brushless motor, efficiency improved by 20~30%.
- ☆ Longer use life than normal electrical AC pump motor.
- ☆ High efficiency intelligent MPPT controller makes pump start and stop working automatically.
- ☆ Overload protection,over current protection,underload protection,under voltage protection, reverse connect protection,thermal protection,well shortage water protection,soft start.
- ☆ Controller LED screen displays voltage, current, power, speed RPM, adjusting speed, error code.
- ☆ Controller waterproofing grade IP54.
- ☆ Ambient temperature: -15~70 ° C.

DC SOLAR PUMP

3" DC plastic impeller solar pump	01
3" DC ss impeller solar pump	02
4" DC plastic impeller solar pump	03
4" 6" DC ss impeller solar pump	05

AC/DC SOLAR PUMP

3" AC/DC plastic impeller solar pump	07
3" AC/DC ss impeller solar pump	08
4" AC/DC plastic impeller solar pump	09
4" 6" AC/DC ss impeller solar pump	11

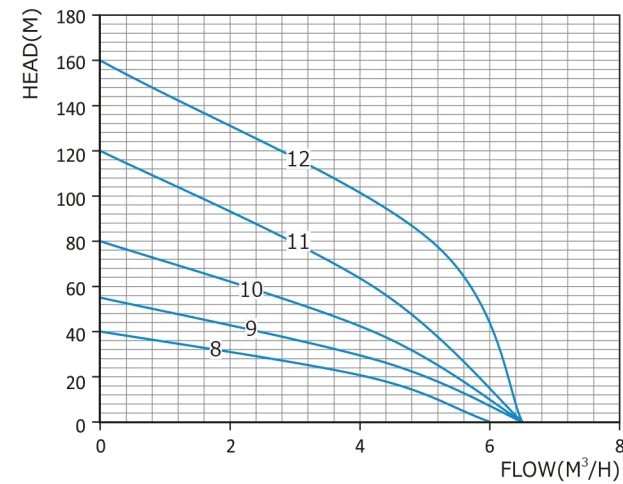
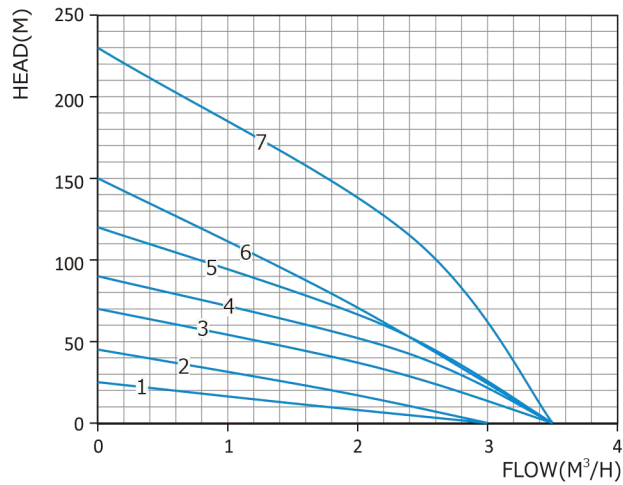


FAN COOLING

3" DC PLASTIC IMPELLER SOLAR PUMP

Material Of Pump

- ◎ Outlet/connection fitting:brass/stainless steel
- ◎ Pump body: 201/304 stainless steel
- ◎ Impeller:plastic impeller
- ◎ Pump cable:2M
- ◎ Water cooling
- ◎ DC MPPT function controller
- ◎ 2 years warranty

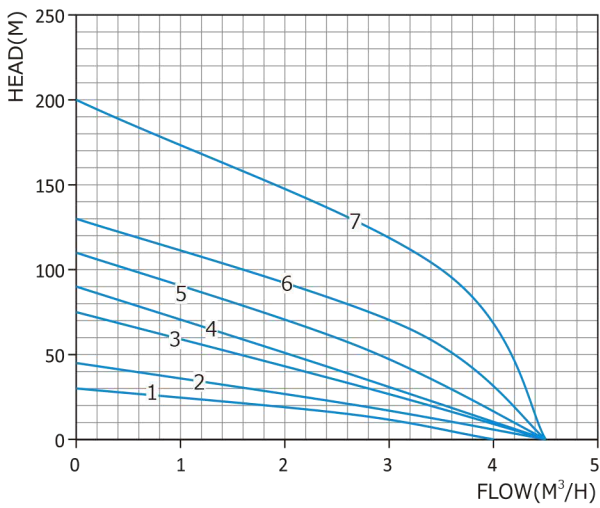


ITEM		DC VOLTAGE	BEST INPUT VOLTAGE VOC	POWER	MAX FLOW	MAX HEAD	OUTLET
MODEL NO.		(V)	(V)	(W)	(M³/H)	(M)	(INCH)
1	3FWC3.0/25-24/300	24	11~55	300	3.0	25	1"
2	3FWC3.0/45-48/400	48	45~150	400	3.0	45	1"
3	3FWC3.5/70-72/600	72	60~150	600	3.5	70	1"
4	3FWC3.5/90-96/750	96	60~200	750	3.5	90	1"
5	3FWC3.5/120-144/1100	144	90~340	1100	3.5	120	1"
6	3FWC3.5/150-192/1500	192	90~430	1500	3.5	150	1"
7	3FWC3.5/230-280/2200	280	100~490	2200	3.5	230	1"
8	3FWC6.0/40-72/600	72	60~150	600	6.0	40	1"
9	3FWC6.5/55-96/750	96	60~200	750	6.5	55	1"
10	3FWC6.5/80-144/1100	144	90~340	1100	6.5	80	1"
11	3FWC6.5/120-192/1500	192	90~430	1500	6.5	120	1"
12	3FWC6.5/160-280/2200	280	100~490	2200	6.5	160	1"

3" DC SS IMPELLER SOLAR PUMP

Material Of Pump

- ◎ Outlet/connection fitting:304 stainless steel
- ◎ Pump body:304 stainless steel
- ◎ Impeller:304 stainless steel
- ◎ Pump cable:2M
- ◎ Water cooling
- ◎ DC MPPT function controller
- ◎ 2 years warranty

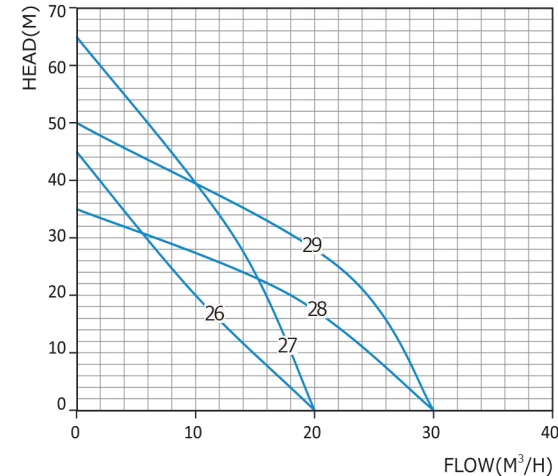
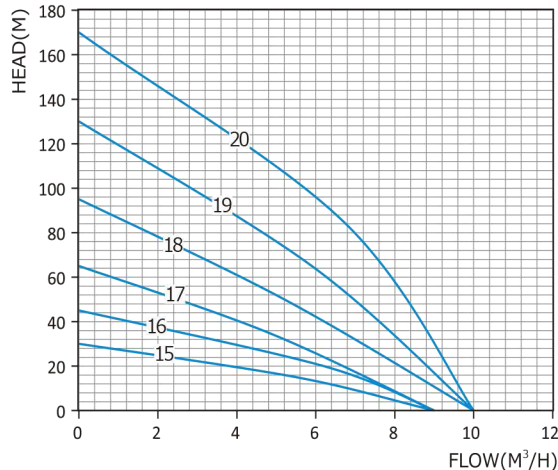
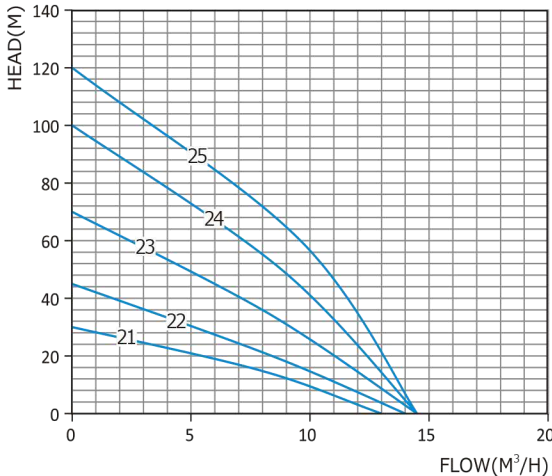
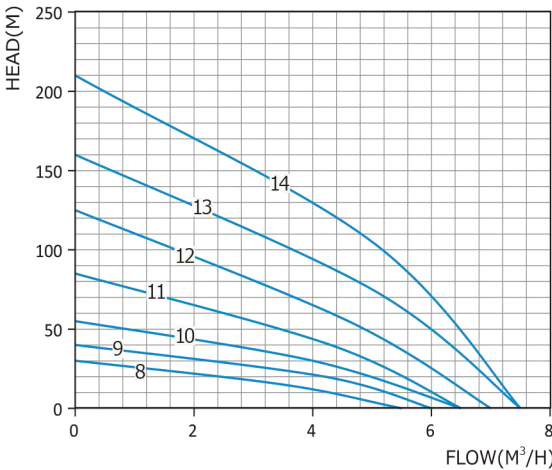
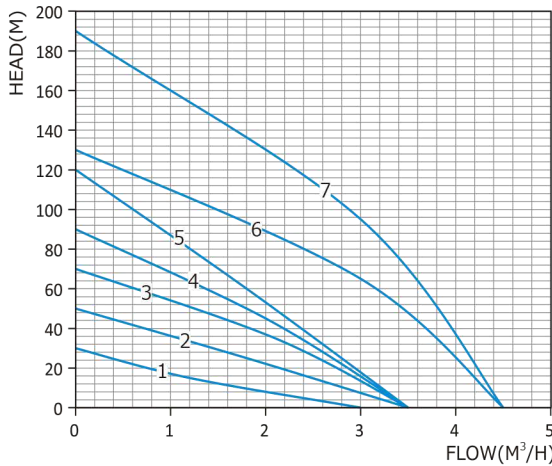


ITEM		DC VOLTAGE	BEST INPUT VOLTAGE VOC	POWER	MAX FLOW	MAX HEAD	OUTLET
MODEL NO.		(V)	(V)	(W)	(M³/H)	(M)	(INCH)
1	3FWSS4.0/30-24/300	24	11~55	300	4.0	30	1.25"
2	3FWSS4.5/45-48/400	48	45~150	400	4.5	45	1.25"
3	3FWSS4.5/75-72/600	72	60~150	600	4.5	75	1.25"
4	3FWSS4.5/90-96/750	96	60~200	750	4.5	90	1.25"
5	3FWSS4.5/110-144/1100	144	90~340	1100	4.5	110	1.25"
6	3FWSS4.5/130-192/1500	192	90~430	1500	4.5	130	1.25"
7	3FWSS4.5/200-280/2200	280	100~490	2200	4.5	200	1.25"

4" DC PLASTIC IMPELLER SOLAR PUMP

Material Of Pump

- Outlet/connection fitting:brass/stainless steel
- Pump body: 201/304 stainless steel
- Impeller:plastic impeller
- Pump cable:2M
- Water cooling
- DC MPPT function controller
- 2 years warranty

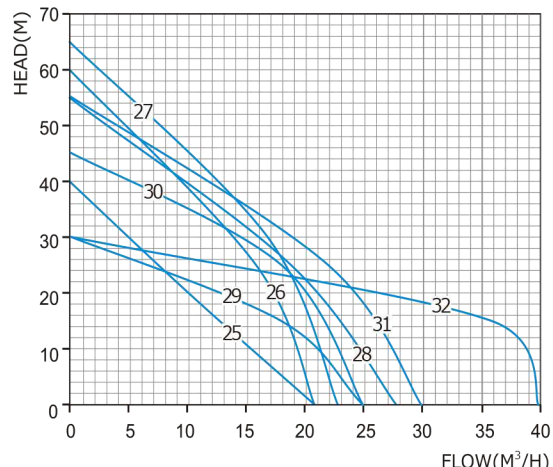
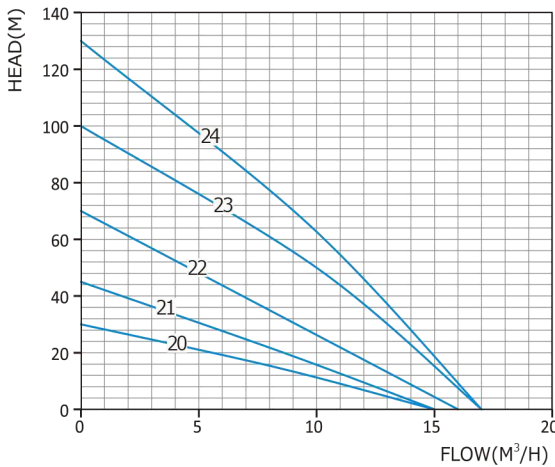
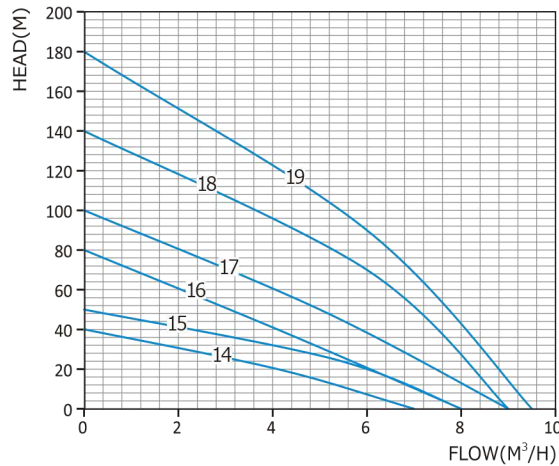
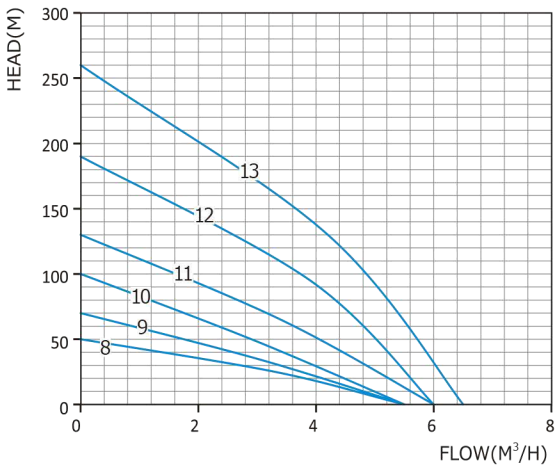
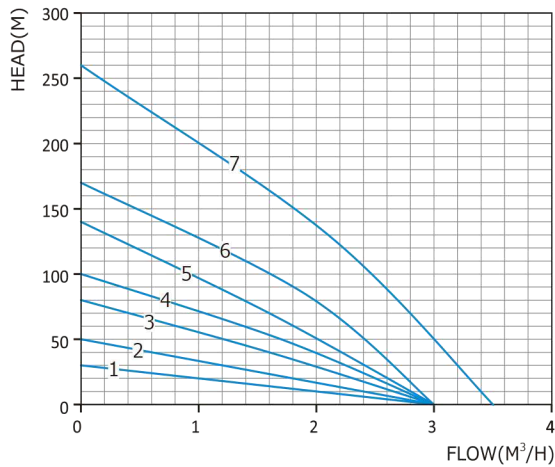


ITEM		DC VOLTAGE	BEST INPUT VOLTAGE VOC	POWER	MAX FLOW	MAX HEAD	OUTLET
MODEL NO.		(V)	(V)	(W)	(M³/H)	(M)	(INCH)
1	4FWC3.0/30-24/300	24	11~55	300	3.0	30	1.25"
2	4FWC3.5/50-48/400	48	45~150	400	3.5	50	1.25"
3	4FWC3.5/70-72/600	72	60~150	600	3.5	70	1.25"
4	4FWC3.5/90-96/750	96	60~200	750	3.5	90	1.25"
5	4FWC3.5/120-144/1100	144	90~340	1100	3.5	120	1.25"
6	4FWC4.5/130-192/1500	192	90~430	1500	4.5	130	1.25"
7	4FWC4.5/190-280/2200	280	100~490	2200	4.5	190	1.25"
8	4FWC6.0/30-48/400	48	45~150	400	6.0	30	1.5"
9	4FWC6.0/40-72/600	72	60~150	600	6.0	40	1.5"
10	4FWC6.5/55-96/750	96	60~200	750	6.5	55	1.5"
11	4FWC6.5/85-144/1100	144	90~340	1100	6.5	85	1.5"
12	4FWC7.0/110-192/1500	192	90~430	1500	7.0	110	1.5"
13	4FWC7.5/150-280/2200	280	100~490	2200	7.5	150	1.5"
14	4FWC7.5/210-385/3000	385	100~750	3000	7.5	210	1.5"
15	4FWC9.0/30-72/600	72	60~150	600	9.0	30	2"
16	4FWC9.0/45-96/750	96	60~200	750	9.0	45	2"
17	4FWC9.0/65-144/1100	144	90~340	1100	9.0	65	2"
18	4FWC10.0/95-192/1500	192	90~430	1500	10.0	95	2"
19	4FWC10.0/130-280/2200	280	100~490	2200	10.0	130	2"
20	4FWC10.0/170-385/3000	385	100~750	3000	10.0	170	2"
21	4FWC13.0/30-96/750	96	60~200	750	13.0	30	2"
22	4FWC14.0/45-144/1100	144	90~340	1100	14.0	45	2"
23	4FWC14.5/70-192/1500	192	90~430	1500	14.5	70	2"
24	4FWC14.5/100-280/2200	280	100~490	2200	14.5	100	2"
25	4FWC14.5/120-385/3000	385	100~750	3000	14.5	120	2"
26	4FWC20.0/45-192/1500	192	90~430	1500	20.0	45	2"
27	4FWC20.0/65-280/2200	280	100~490	2200	20.0	65	2"
28	4FWC20.0/75-385/3000	385	100~750	3000	20.0	75	2"
29	4FWC30.0/35-280/2200	280	100~490	2200	30.0	35	2"
30	4FWC30.0/50-385/3000	385	100~750	3000	30.0	50	2"

4" 6" DC SS IMPELLER SOLAR PUMP

Material Of Pump

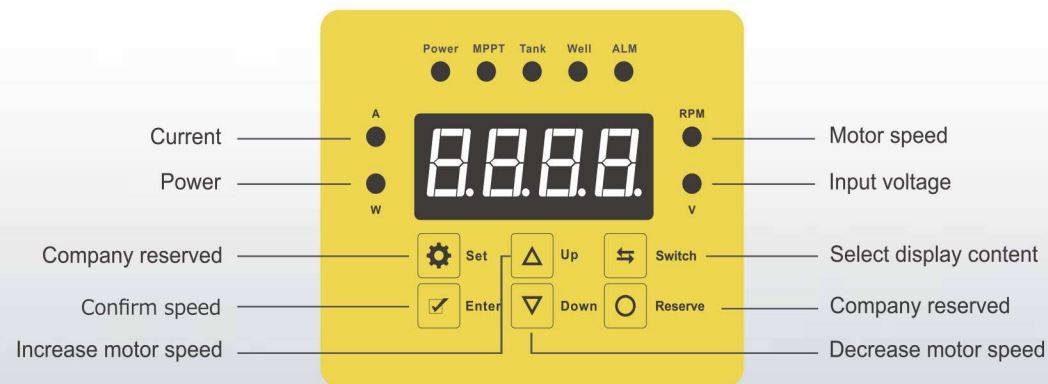
- ◎ Outlet/connection fitting:304 stainless steel
- ◎ Pump body:304 stainless steel
- ◎ Impeller:304 stainless steel
- ◎ Pump cable:2M
- ◎ Water cooling
- ◎ DC MPPT function controller
- ◎ 2 years warranty



ITEM		DC VOLTAGE	BEST INPUT VOLTAGE VOC	POWER	MAX FLOW	MAX HEAD	OUTLET
MODEL NO.		(V)	(V)	(W)	(M³/H)	(M)	(INCH)
1	4FWSS3.0/30-24/300	24	11~55	300	3.0	30	1.25"
2	4FWSS3.0/50-48/400	48	45~150	400	3.0	50	1.25"
3	4FWSS3.0/80-72/600	72	60~150	600	3.0	80	1.25"
4	4FWSS3.0/100-96/750	96	60~200	750	3.0	100	1.25"
5	4FWSS3.0/140-144/1100	144	90~340	1100	3.0	140	1.25"
6	4FWSS3.0/170-192/1500	192	90~430	1500	3.0	170	1.25"
7	4FWSS3.5/260-280/2200	280	100~490	2200	3.5	260	1.25"
8	4FWSS5.5/50-72/600	72	60~150	600	5.5	50	1.25"
9	4FWSS5.5/70-96/750	96	60~200	750	5.5	70	1.25"
10	4FWSS5.5/100-144/1100	144	90~340	1100	5.5	100	1.25"
11	4FWSS6.0/130-192/1500	192	90~430	1500	6.0	130	1.25"
12	4FWSS6.0/190-280/2200	280	100~490	2200	6.0	190	1.25"
13	4FWSS6.5/260-385/3000	385	100~750	3000	6.5	260	1.25"
14	4FWSS7.0/40-72/600	72	60~150	600	7.0	40	1.5"
15	4FWSS8.0/50-96/750	96	60~200	750	8.0	50	1.5"
16	4FWSS8.0/80-144/1100	144	90~340	1100	8.0	80	1.5"
17	4FWSS9.0/100-192/1500	192	90~430	1500	9.0	100	1.5"
18	4FWSS9.0/140-280/2200	280	100~490	2200	9.0	140	1.5"
19	4FWSS9.5/180-385/3000	385	100~750	3000	9.5	180	1.5"
20	4FWSS15.0/30-96/750	96	60~200	750	15.0	30	2"
21	4FWSS15.0/45-144/1100	144	90~340	1100	15.0	45	2"
22	4FWSS16.0/70-192/1500	192	90~430	1500	16.0	70	2"
23	4FWSS17.0/100-280/2200	280	100~490	2200	17.0	100	2"
24	4FWSS17.0/130-385/3000	385	100~750	3000	17.0	130	2"
25	4FWSS21.0/40-192/1500	192	90~430	1500	21.0	40	2"
26	4FWSS21.0/60-280/2200	280	100~490	2200	21.0	60	2"
27	4FWSS23.0/65-385/3000	385	100~750	3000	23.0	65	2"
28	4FWSS28/55-385/3000	385	100~750	3000	28.0	55	2"
29	6FWSS25.0/30-192/1500	192	90~430	1500	25.0	30	3"
30	6FWSS25.0/45-280/2200	280	100~490	2200	25.0	45	3"
31	6FWSS30.0/55-385/3000	385	100~750	3000	30.0	55	3"
32	6FWSS40.0/30-385/3000	385	100~750	3000	40.0	30	3"

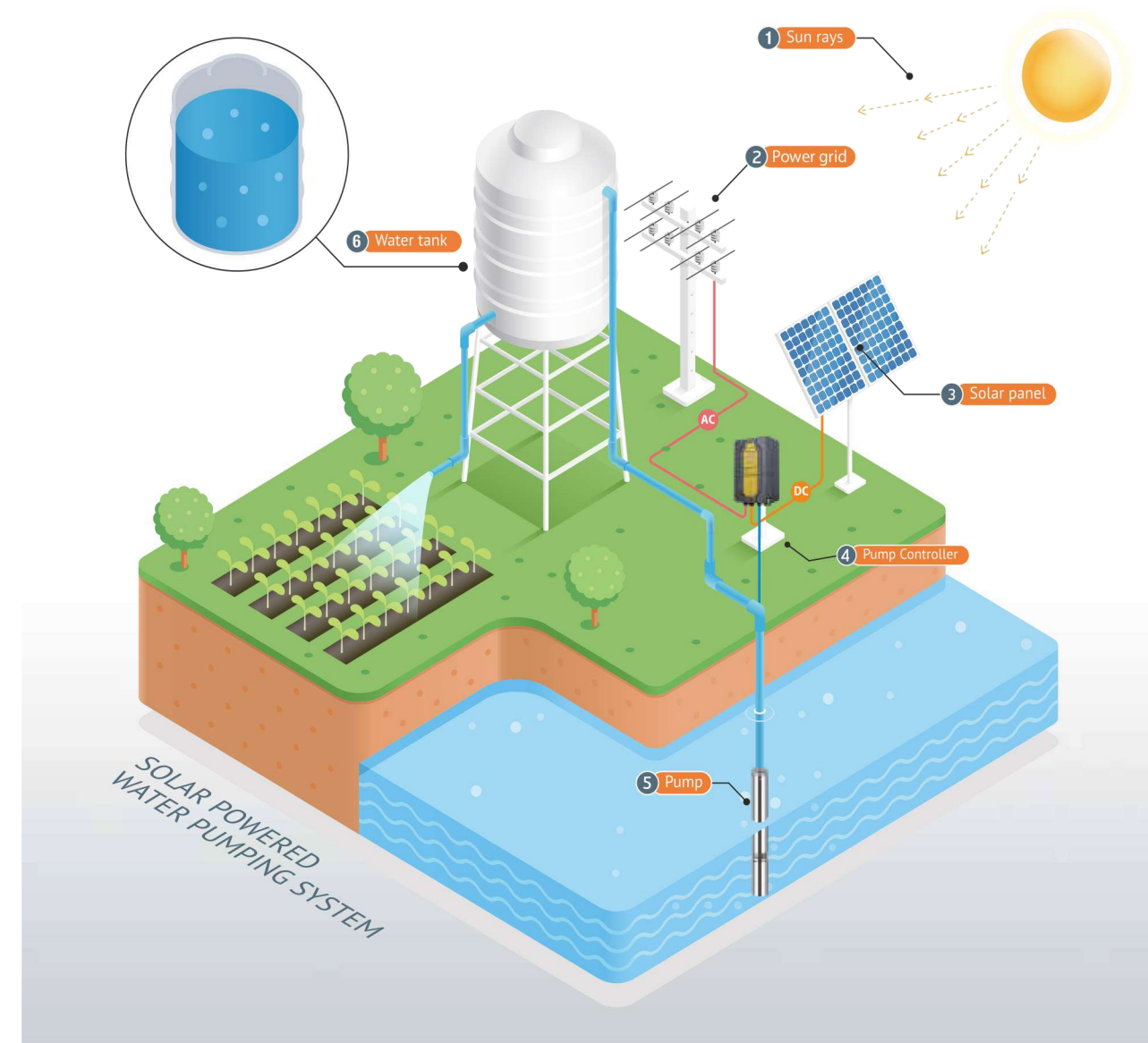
AC/DC Solar Pump

- ☆ Support single phase 220V AC 50/60Hz (90-240Vac) electricity/generator input and solar DC power input.
- ☆ Permanent magnet DC brushless motor, efficiency improved by 20~30%.
- ☆ Longer service life than normal electrical AC pump motor.
- ☆ High efficiency intelligent MPPT controller makes pump start and stop working automatically.
- ☆ Overload protection, over current protection, underload protection, under voltage protection, reverse connect protection, thermal protection, well shortage water protection, soft start.
- ☆ Controller LED screen displays voltage, current, power, speed RPM, adjusting speed, error code.
- ☆ Controller waterproofing grade IP54.
- ☆ Ambient temperature: -15~70 °C.



FAN COOLING

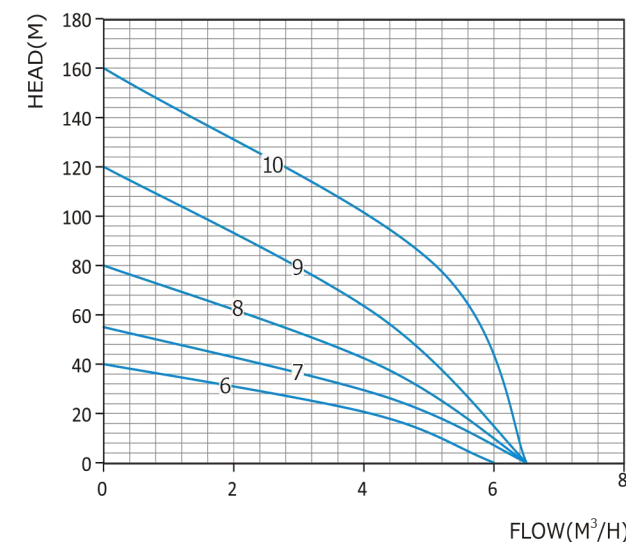
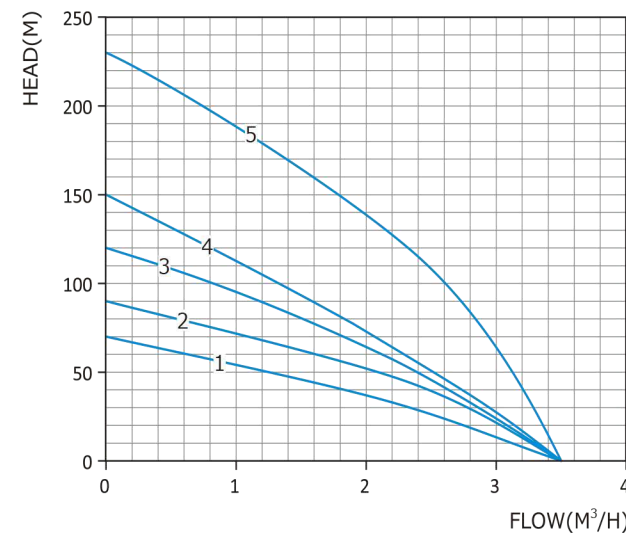
AC input and DC input can work at the same time



3" AC/DC PLASTIC IMPELLER SOLAR PUMP

Material Of Pump

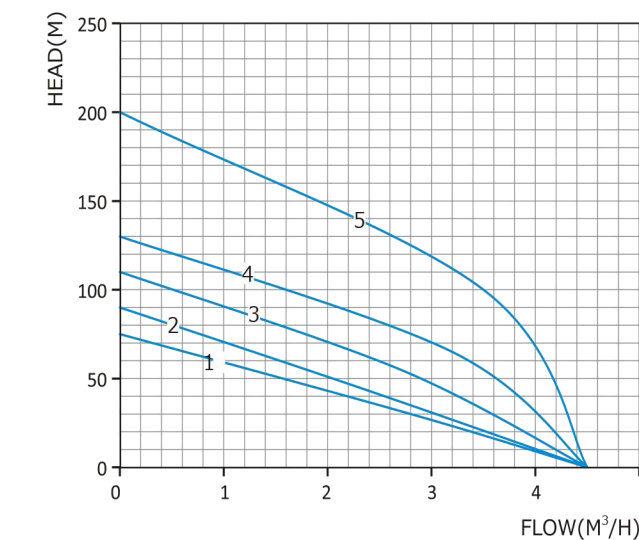
- ◎ Outlet/connection fitting: brass/stainless steel
- ◎ Pump body: 201/304 stainless steel
- ◎ Impeller: plastic
- ◎ Water cooling
- ◎ Pump cable: 2M
- ◎ AC/DC MPPT function controller
- ◎ AC input: single phase 220V
- ◎ 2 years warranty



3" AC/DC SS IMPELLER SOLAR PUMP

Material Of Pump

- ◎ Outlet/connection Fitting: 304 stainless steel
- ◎ Cylinder: brass/stainless steel
- ◎ Pump body: 304 stainless steel
- ◎ Impeller: 304 stainless steel
- ◎ Cable: 2M
- ◎ Water cooling
- ◎ AC/DC MPPT function controller
- ◎ AC input: single phase 220V
- ◎ 2 years warranty



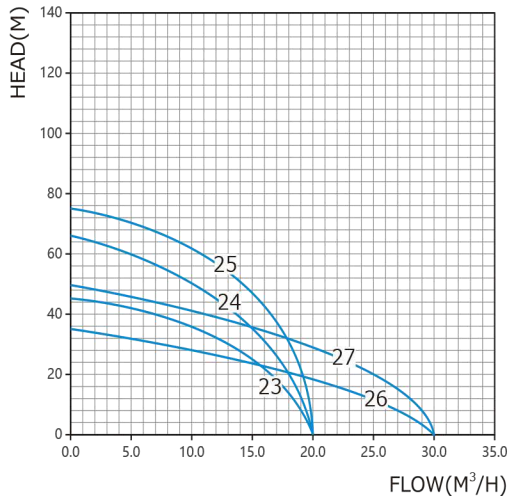
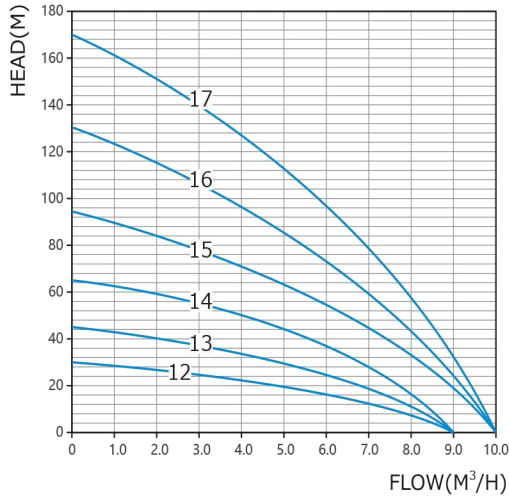
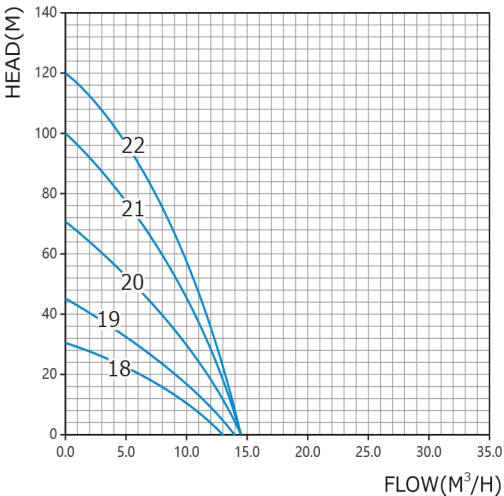
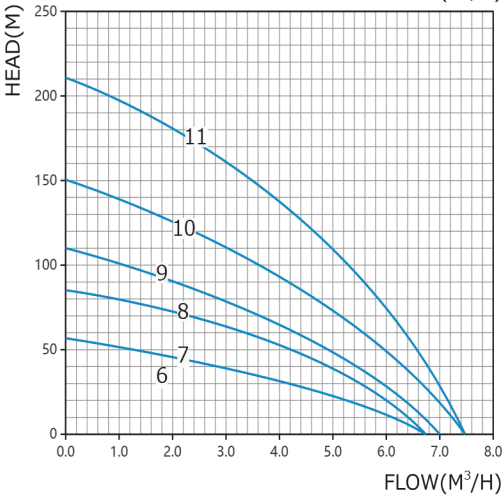
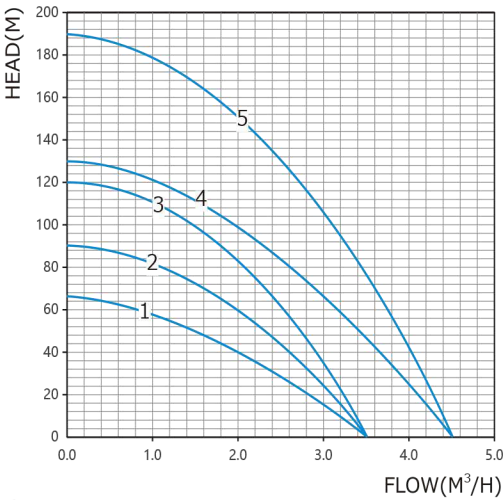
ITEM	AC INPUT VOLTAGE	DC INPUT VOLTAGE VOC	POWER	MAX FLOW	MAX HEAD	OUTLET
MODEL NO.	(V)	(V)	(W)	(M³/H)	(M)	(INCH)
1 3FWC3.5/70-72/600-H	90~240	60~200	600	3.5	70	1"
2 3FWC3.5/90-96/750-H	90~240	60~240	750	3.5	90	1"
3 3FWC3.5/120-144/1100-H	90~240	90~340	1100	3.5	120	1"
4 3FWC3.5/150-192/1500-H	90~240	90~430	1500	3.5	150	1"
5 3FWC3.5/230-280/2200-H	90~240	100~490	2200	3.5	230	1"
6 3FWC6.0/40-72/600-H	90~240	60~200	600	6.0	40	1"
7 3FWC6.5/55-96/750-H	90~240	60~240	750	6.5	55	1"
8 3FWC6.5/80-144/1100-H	90~240	90~340	1100	6.5	80	1"
9 3FWC6.5/120-192/1500-H	90~240	90~430	1500	6.5	120	1"
10 3FWC6.5/160-280/2200-H	90~240	100~490	2200	6.5	160	1"

ITEM	AC INPUT VOLTAGE	DC INPUT VOLTAGE VOC	POWER	MAX FLOW	MAX HEAD	OUTLET
MODEL NO.	(V)	(V)	(W)	(M³/H)	(M)	(INCH)
1 3FWSS4.5/75-72/600-H	90~240	60~200	600	4.5	75	1.25"
2 3FWSS4.5/90-96/750-H	90~240	60~240	750	4.5	90	1.25"
3 3FWSS4.5/110-144/1100-H	90~240	90~340	1100	4.5	110	1.25"
4 3FWSS4.5/130-192/1500-H	90~240	90~430	1500	4.5	130	1.25"
5 3FWSS4.5/200-280/2200-H	90~240	100~490	2200	4.5	200	1.25"

4" AC/DC PLASTIC IMPELLER SOLAR PUMP

Material Of Pump

- ◎ Outlet/connection fitting:brass/stainless steel
- ◎ Pump body: 201/304 stainless steel
- ◎ Impeller:plastic
- ◎ Cable:2M
- ◎ Water cooling
- ◎ AC/DC MPPT function controller
- ◎ AC input:single phase 220V
- ◎ 2 years warranty

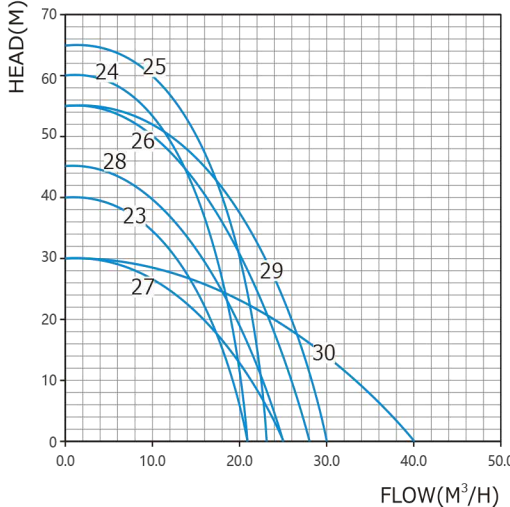
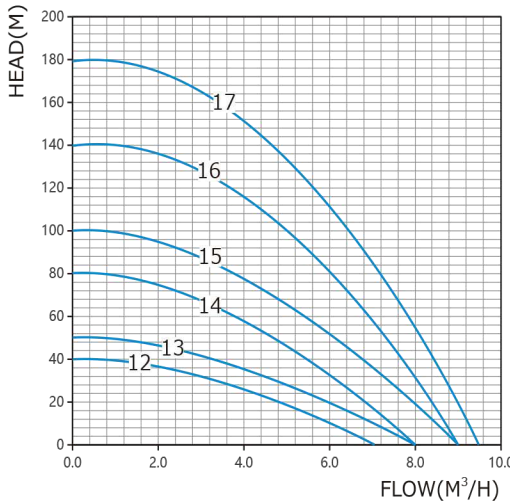
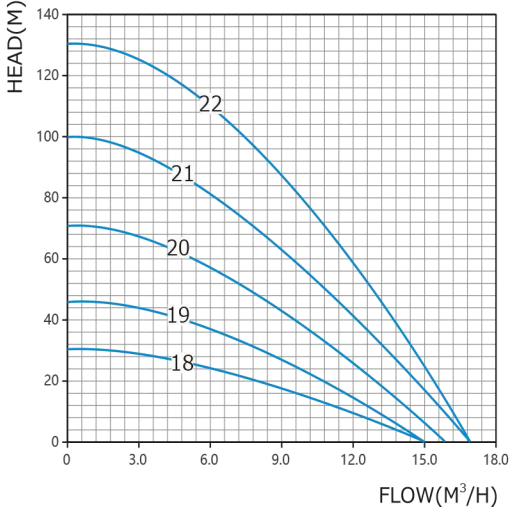
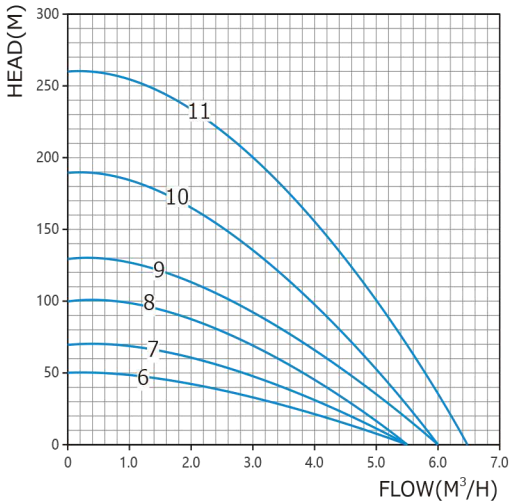
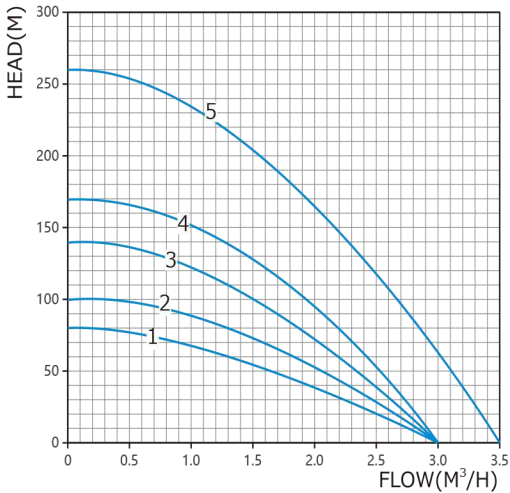


ITEM		AC INPUT VOLTAGE	DC INPUT VOLTAGE VOC	POWER	MAX FLOW	MAX HEAD	OUTLET
MODEL NO.		(V)	(V)	(W)	(M³/H)	(M)	(INCH)
1	4FWC3.5/70-72/600-H	90~240	60~200	600	3.5	70	1.25"
2	4FWC3.5/90-96/750-H	90~240	60~240	750	3.5	90	1.25"
3	4FWC3.5/120-144/1100-H	90~240	90~340	1100	3.5	120	1.25"
4	4FWC4.5/130-192/1500-H	90~240	90~430	1500	4.5	130	1.25"
5	4FWC4.5/190-280/2200-H	90~240	100~490	2200	4.5	190	1.25"
6	4FWC6.0/40-72/600-H	90~240	60~200	600	6.0	40	1.5"
7	4FWC6.5/55-96/750-H	90~240	60~240	750	6.5	55	1.5"
8	4FWC6.5/85-144/1100-H	90~240	90~340	1100	6.5	85	1.5"
9	4FWC7.0/110-192/1500-H	90~240	90~430	1500	7.0	110	1.5"
10	4FWC7.5/150-280/2200-H	90~240	100~490	2200	7.5	150	1.5"
11	4FWC7.5/210-385/3000-H	90~240	100~490	3000	7.5	210	1.5"
12	4FWC9.0/30-72/600-H	90~240	60~200	600	9.0	30	2"
13	4FWC9.0/45-96/750-H	90~240	60~240	750	9.0	45	2"
14	4FWC9.0/65-144/1100-H	90~240	90~340	1100	9.0	65	2"
15	4FWC10.0/95-192/1500-H	90~240	90~430	1500	10.0	95	2"
16	4FWC10.0/130-280/2200-H	90~240	100~490	2200	10.0	130	2"
17	4FWC10.0/170-385/3000-H	90~240	100~490	3000	10.0	170	2"
18	4FWC13.0/30-96/750-H	90~240	60~200	750	13.0	30	2"
19	4FWC14.0/45-144/1100-H	90~240	90~340	1100	14.0	45	2"
20	4FWC14.5/70-192/1500-H	90~240	90~430	1500	14.5	70	2"
21	4FWC14.5/100-280/2200-H	90~240	100~490	2200	14.5	100	2"
22	4FWC14.5/120-385/3000-H	90~240	100~490	3000	14.5	120	2"
23	4FWC20.0/45-192/1500-H	90~240	90~430	1500	20.0	45	2"
24	4FWC20.0/65-280/2200-H	90~240	100~490	2200	20.0	65	2"
25	4FWC20.0/75-385/3000-H	90~240	100~490	3000	20.0	75	2"
26	4FWC30.0/35-280/2200-H	90~240	100~490	2200	30.0	35	2"
27	4FWC30.0/50-385/3000-H	90~240	100~490	3000	20.0	50	2"

4" 6" AC/DC SS IMPELLER SOLAR PUMP

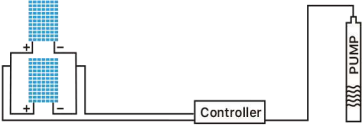
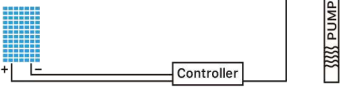
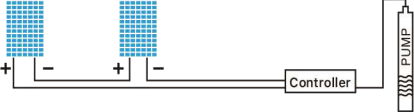
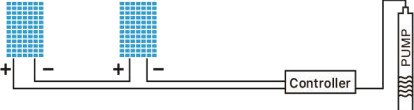
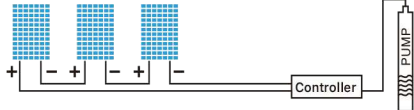
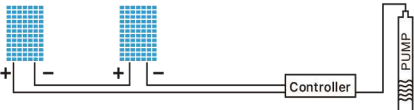
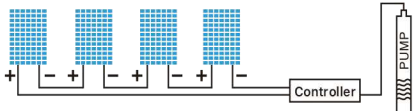
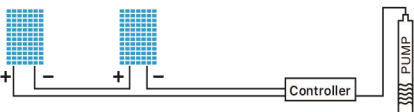
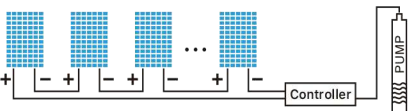
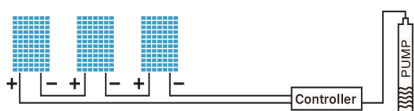
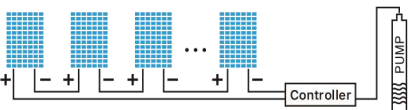
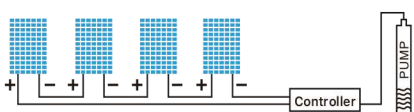
Material Of Pump

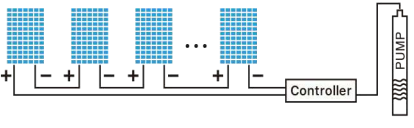
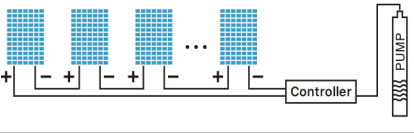
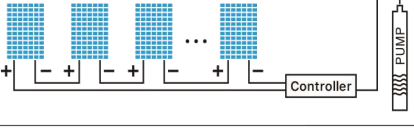
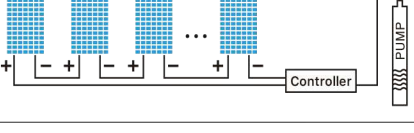
- ◎ Outlet/connection fitting:304 stainless steel
- ◎ Cylinder:brass/stainless steel
- ◎ Pump body:304 stainless steel
- ◎ Impeller:304 stainless steel
- ◎ Cable:2M
- ◎ Water cooling
- ◎ AC/DC MPPT function controller
- ◎ AC input:single phase 220V
- ◎ 2 years warranty



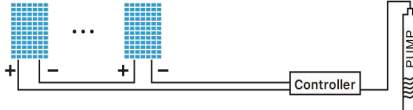
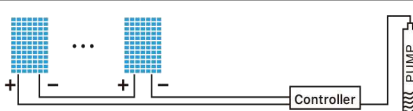
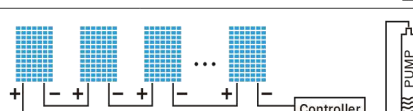
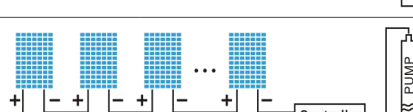
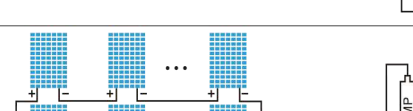
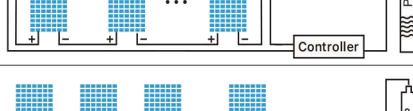
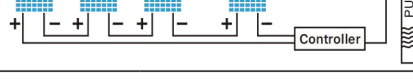
ITEM		AC INPUT VOLTAGE	DC INPUT VOLTAGE VOC	POWER	MAX FLOW	MAX HEAD	OUTLET
MODEL NO.		(V)	(V)	(W)	(M³/H)	(M)	(INCH)
1	4FWSS3.0/80-72/600-H	90~240	60~200	600	3.0	80	1.25"
2	4FWSS3.0/100-96/750-H	90~240	60~240	750	3.0	100	1.25"
3	4FWSS3.0/140-144/1100-H	90~240	90~340	1100	3.0	140	1.25"
4	4FWSS3.0/170-192/1500-H	90~240	90~430	1500	3.0	170	1.25"
5	4FWSS3.5/260-280/2200-H	90~240	100~490	2200	3.5	260	1.25"
6	4FWSS5.5/50-72/600-H	90~240	60~200	600	5.5	50	1.25"
7	4FWSS5.5/70-96/750-H	90~240	60~240	750	5.5	70	1.25"
8	4FWSS5.5/100-144/1100-H	90~240	90~340	1100	5.5	100	1.25"
9	4FWSS6.0/130-192/1500-H	90~240	90~430	1500	6.0	130	1.25"
10	4FWSS6.0/190-280/2200-H	90~240	100~490	2200	6.0	190	1.25"
11	4FWSS6.5/260-385/3000-H	90~240	100~490	3000	6.5	260	1.25"
12	4FWSS7.0/40-72/600-H	90~240	60~200	600	7.0	40	1.5"
13	4FWSS8.0/50-96/750-H	90~240	60~240	750	8.0	50	1.5"
14	4FWSS8.0/80-144/1100-H	90~240	90~340	1100	8.0	80	1.5"
15	4FWSS9.0/100-192/1500-H	90~240	90~430	1500	9.0	100	1.5"
16	4FWSS9.0/140-280/2200-H	90~240	100~490	2200	9.0	140	1.5"
17	4FWSS9.5/180-385/3000-H	90~240	100~490	3000	9.5	180	1.5"
18	4FWSS15.0/30-96/750-H	90~240	60~240	750	15.0	30	2"
19	4FWSS15.0/45-144/1100-H	90~240	90~340	1100	15.0	45	2"
20	4FWSS16.0/70-192/1500-H	90~240	90~430	1500	16.0	70	2"
21	4FWSS17.0/100-280/2200-H	90~240	100~490	2200	17.0	100	2"
22	4FWSS17.0/130-385/3000-H	90~240	100~490	3000	17.0	130	2"
23	4FWSS21.0/40-192/1500-H	90~240	90~430	1500	21.0	40	2"
24	4FWSS21.0/60-280/2200-H	90~240	100~490	2200	21.0	60	2"
25	4FWSS23.0/65-385/3000-H	90~240	100~490	3000	23.0	65	2"
26	4FWSS28.0/55-385/3000-H	90~240	100~490	3000	28.0	55	2"
27	6FWSS25.0/30-192/1500-H	90~240	90~430	1500	25.0	30	3"
28	6FWSS25.0/45-280/2200-H	90~240	100~490	2200	25.0	45	3"
29	6FWSS30.0/55-385/3000-H	90~240	100~490	3000	30.0	55	3"
30	6FWSS40.0/30-385/3000-H	90~240	100~490	3000	40.0	30	3"

Solar panels connection for DC solar pump

Solar Pump	Max Open Circuit Voltage Voc (V)	MPPT Voltage Range Voc (V)	Max Input Current (A)	Solar Panels Connection
24/36V	<55	18-45	16	 250W/300W 2pcs
				 550W/650W 1pcs
48V 400W	<105	40-90	16	 250W/300W 2pcs
				 550W/650W 2pcs
72V 600W	<160	60-120	16	 250W/300W 3pcs
				 550W/650W 2pcs
96V 750W	<210	80-150	16	 250W/300W 4pcs
				 550W/650W 2pcs
144V 1100W	<450	130-400	16	 250W/300W 6pcs
				 550W/650W 3pcs
192V 1500W	<450	140-400	16	 250W/300W 8pcs
				 550W/650W 4pcs

Solar Pump	Max Open Circuit Voltage Voc (V)	MPPT Voltage Range Voc (V)	Max Input Current (A)	Solar Panels Connection
280V 2200W	<450	180-430	16	 250W/300W 10pcs
				 550W/650W 6pcs
385V 3000W	<780	230-700	16	 250W/300W 16pcs
				 550W/650W 8pcs

Solar panels connection for AC/DC solar pump

AC/DC Pump	AC Input Voltage VOC(V)	DC Input Voltage VOC(V)	Solar Panels Connection
72V 600W	Single phase 220 (90~240)	60-200	 250W/300W 3PCS  550W/650W 2PCS
96V 750W	Single phase 220 (90~240)	60-240	 250W/300W 4PCS  550W/650W 2PCS
144V 1100W	Single phase 220 (90~240)	90-340	 250W/300W 6PCS  550W/650W 3PCS
192V 1500W	Single phase 220 (90~240)	90-430	 250W/300W 8PCS  550W/650W 4PCS
280V 2200W	Single phase 220 (90~240)	100-490	250W/300W 10PCS 550W/650W 6PCS
350V 3000W	Single phase 220 (90~240)	100-490	250W/300W 16PCS
			550W/650W 8PCS