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SOLAR PUMP



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TRADITIONAL BRUSHLESS SOLAR PUMP

1. Can be powered by both solar panel and battery
2. Enviromental protection, clean energy
3. High efficiency permanent magnetic motor, efficiency improved by 20~40%
4. Over voltage and under voltage protection
5. Over current protection
6. Locked rotor protection
7. Lost phase protection
8. Low water level sensor protection
9. High water level sensor protection
10. Reverse protection
11. MPPT function (Maximum Power Point Tracking)
12. Low temperature rise
13. Remote control system (option)



10 +

More than 10 years of experience in manufacturing

60 +

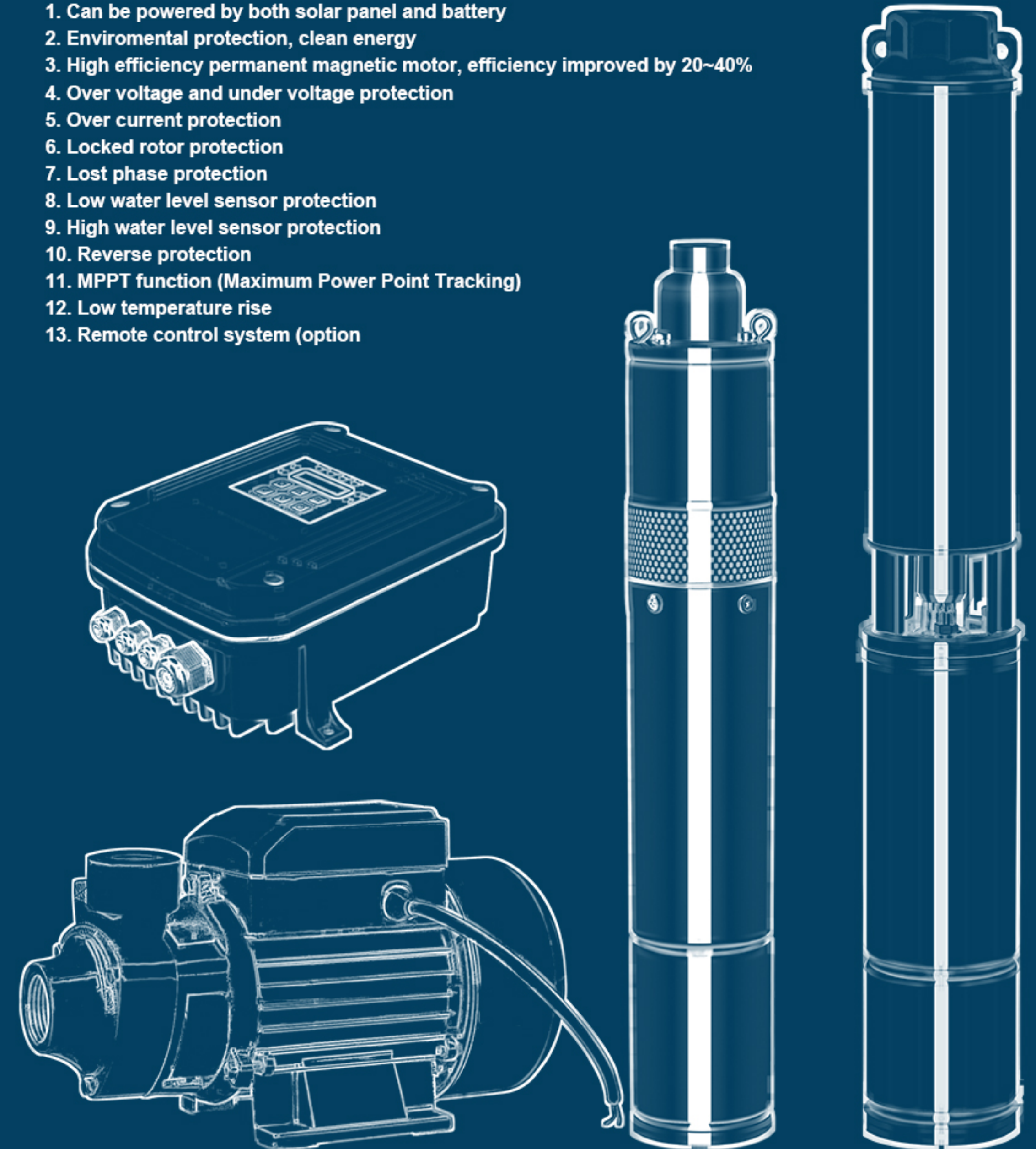
Export to more than 60 countries

1000 +

Thousands of Goods

40,000 +

Square meters Factory



YCS Series Submersible Screw Solar water Pump

Material

- Outlet: Stainless steel
- Pump Head: Stainless steel
- Pump Body: Stainless steel
- Impeller: Screw
- Motor: Permanent magnet DC brushless motor

Application

- Distance water irrigation
- Village and town water supply
- Clean drinking water
- Garden watering
- Pumping and drip irrigation

Advantage

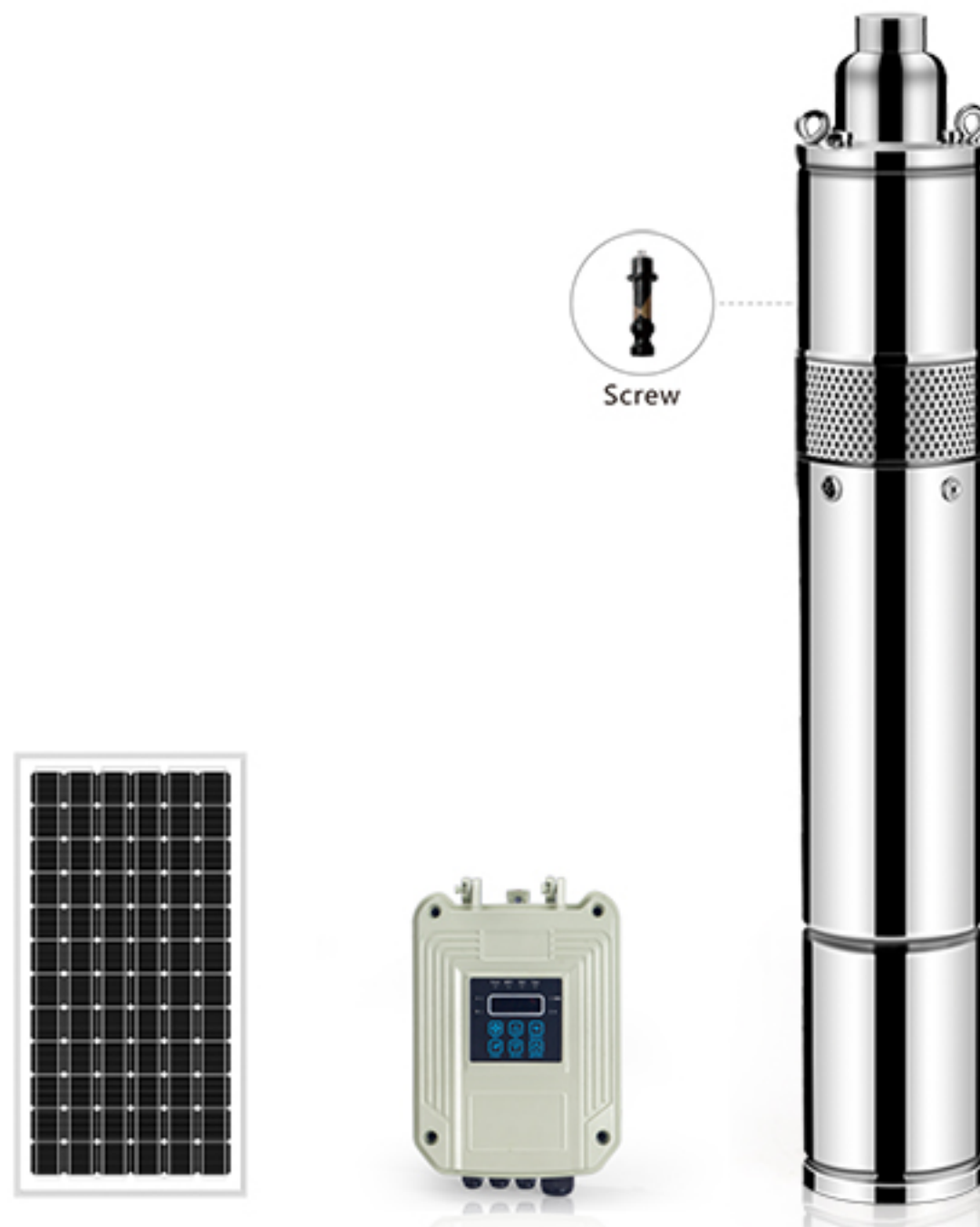
- Solar engine
- High efficiency
- Small size
- Light weight
- Brushless pump
- Easy installation
- Environment friendly

Model Analysis

- 3YCS1.8/80-D24/210
- 3-----3inch pump body dimension
- YCS-----YesChamp Screw Pump
- 1.8-----Max. Flow(m³/h)
- 80-----Max. Head(m)
- D-----DC pump
- 24-----Pump voltage(V)
- 210-----Pump power(W)

TECHNICAL DATA

Model	MAX Flow (m ³ /h)	MAX Head (m)	Pump				Solar Panels	
			Voltage (V)	Power (W)	Pump Dia (inch)	Outlet Dia (inch)	Voltage (V)	Power (W)
3YCS1.8/80-D24/210	1.8	80	DC24	210	3	0.75	21-50	300
3YCS1.8/100-D48/300	1.8	100	DC48	300	3	0.75	42-100	500
3YCS2/120-D48/500	2	120	DC48	500	3	0.75	42-100	800
4YCS2/50-D24/270	2	50	DC24	270	4	1	42-100	500
4YCS3/50-D48/400	3	50	DC48	400	4	1	42-100	600
4YCS3/80-D48/600	3	80	DC48	600	4	1	42-100	800
4YCS3.6/80-D48/750	3.6	80	DC48	750	4	1	42-100	1000
4YCS3.8/95-D72/1000	3.8	95	DC72	1000	4	1	63-150	1500
4YCS4.2/120-D96/1300	4.2	120	DC96	1300	4	1	84-200	1720



3YCPS Series Deep Well Solar Pump

Material

- Outlet: Stainless steel
- Pump Head: Stainless steel
- Pump Body: Stainless steel
- Impeller: Plastic
- Motor: Permanent magnet DC brushless motor

Application

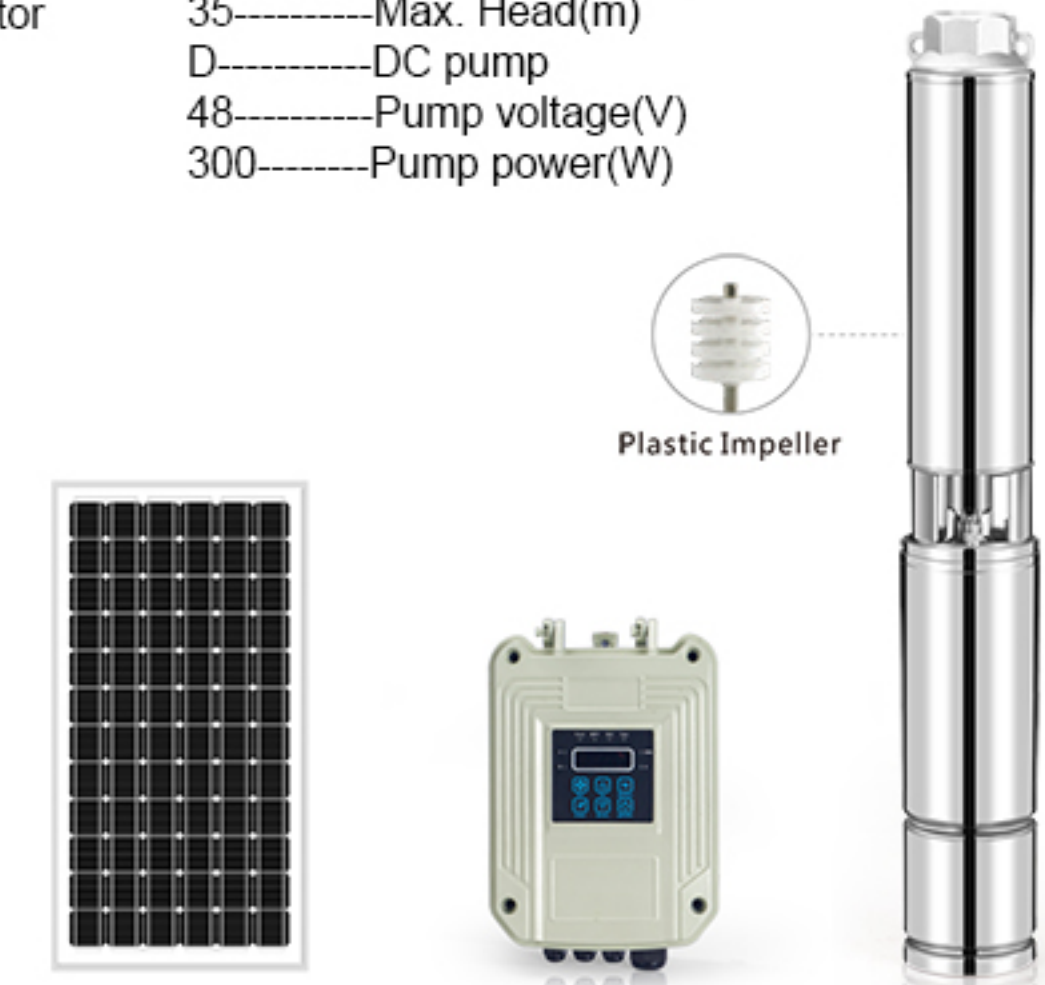
- Distance water irrigation
- Village and town water supply
- Clean drinking water
- Garden watering
- Pumping and drip irrigation

Advantage

- Solar Engine
- High efficiency
- Small size
- Light weight
- Brushless pump
- Easy installation
- Environment friendly

Model Analysis

- 3YCPS3.5/35-D48/300
- 3-----3inch pump body dimension
- YCPS-----YesChamp Deep Well Solar Pump
- 3.5-----Max. Flow(m³/h)
- 35-----Max. Head(m)
- D-----DC pump
- 48-----Pump voltage(V)
- 300-----Pump power(W)



TECHNICAL DATA

Model	MAX Flow (m ³ /h)	MAX Head (m)	Pump				Solar Panels	
			Voltage (V)	Power (W)	Pump Dia (inch)	Outlet Dia (inch)	Voltage (V)	Power (W)
3YCPS3/35-D24/300	3	35	DC24	300	3	1	21-50	500
3YCPS3.5/35-D48/300	3.5	35	DC48	300	3	1.25	42-100	500
3YCPS5/25-D24/300	5	25	DC24	300	3	1	21-50	500
3YCPS6/25-D48/300	6	25	DC48	300	3	1.25	42-100	500
3YCPS3.5/50-D48/400	3.5	50	DC48	400	3	1.25	42-100	600
3YCPS6/40-D48/400	6	40	DC48	400	3	1.25	42-100	600
3YCPS3.5/75-D48/600	3.5	75	DC48	600	3	1.25	42-100	800
3YCPS6/60-D48/600	6	60	DC48	600	3	1.25	42-100	800
3YCPS3.5/95-D48/750	3.5	95	DC48	750	3	1.25	42-100	1000
3YCPS6/70-D48/750	6	70	DC48	750	3	1.25	42-100	1000
3YCPS3.5/95-D72/750	3.5	95	DC72	750	3	1.25	42-100	1080
3YCPS6/70-D72/750	6	70	DC72	750	3	1.25	42-100	1080
3YCPS3.5/145-D72/1100	3.5	145	DC72	1100	3	1.25	63-150	1500
3YCPS6/100-D72/1100	6	100	DC72	1100	3	1.25	63-150	1500
3YCPS7/115-D96/1300	7	115	DC96	1300	3	1.25	84-200	1720

4YCPS series Deep Well Solar Pump

Material

- Outlet: Stainless steel
- Pump Head: Stainless steel
- Pump Body: Stainless steel
- Impeller: Plastic
- Motor: Permanent magnet DC brushless motor

Application

- Distance water irrigation
- Village and town water supply
- Clean drinking water
- Garden watering
- Pumping and drip irrigation

Advantage

- Solar engine
- High efficiency
- Small size
- Light weight
- Brushless pump
- Easy installation
- Environment friendly

Model Analysis

4YCPS4.5/30-DC24/300
 4-----4inch pump body dimension
 YCPS-----YesChamp Deep Well Solar Pump
 4.5-----Max. Flow(m³/h)
 30-----Max. Head(m)
 DC-----DC pump
 24-----Pump voltage(V)
 300-----Pump power(W)



TECHNICAL DATA

Model	MAX Flow (m ³ /h)	MAX Head (m)	Pump				Solar Panels	
			Voltage (V)	Power (W)	Pump Dia (inch)	Outlet Dia (inch)	Voltage (V)	Power (W)
4YCPS4.5/30-DC24/300	4.5	30	DC24	300	4	1.25	21-50	500
4YCPS4.5/38-DC48/400	4.5	38	DC48	400	4	1.25	42-100	600
4YCPS4.5/50-DC48/600	4.5	50	DC48	600	4	1.25	42-100	800
4YCPS4.5/80-DC48/750	4.5	80	DC48	750	4	1.25	42-100	1000
4YCPS4.5/96-DC72/1100	4.5	96	DC72	1100	4	1.25	63-150	1500
4YCPS4.5/140-DC96/1300	4.5	140	DC96	1300	4	1.25	84-200	1720
4YCPS6/36-DC48/600	6	36	DC48	600	4	1.25	42-100	800
4YCPS6/54-DC48/750	6	54	DC48	750	4	1.25	42-100	1000
4YCPS6/96-DC72/1100	6	72	DC72	1100	4	1.25	63-150	1500
4YCPS6/120-DC96/1300	6	120	DC96	1300	4	1.25	84-200	1720
4YCPS8/30-DC48/600	8	30	DC48	600	4	1.5	42-100	800
4YCPS8/40-DC48/750	8	40	DC48	750	4	1.5	42-100	1000
4YCPS8/60-DC72/1100	8	60	DC72	1100	4	1.5	63-150	1500
4YCPS8/95-DC96/1300	8	95	DC96	1300	4	1.5	84-200	1720
4YCPS18/25-DC72/1100	18	25	DC72	1100	4	2	63-150	1500
4YCPS18/33-DC96/1300	18	33	DC96	1300	4	2	84-200	1720

3YCPS series Deep Well Solar Pump

Material

- Outlet: Stainless steel
- Pump Head: Stainless steel
- Pump Body: Stainless steel
- Impeller: Stainless steel
- Motor: Permanent magnet DC brushless motor

Application

- Distance water irrigation
- Village and town water supply
- Clean drinking water
- Garden watering
- Pumping and drip irrigation

Advantage

- Solar Engine
- High efficiency
- Small size
- Light weight
- Brushless pump
- Easy installation
- Environment friendly

Model Analysis

3YCPS2.5/32-DC24/300
 3-----3inch pump body dimension
 YCPS-----YesChamp SS304 Deep Well Solar Pump
 2.5-----Max. Flow(m³/h)
 32-----Max. Head(m)
 DC-----DC pump
 24-----Pump voltage(V)
 300-----Pump power(W)



TECHNICAL DATA

Model	MAX Flow (m ³ /h)	MAX Head (m)	Pump				Solar Panels	
			Voltage (V)	Power (W)	Pump Dia (inch)	Outlet Dia (inch)	Voltage (V)	Power (W)
3YCPS2.5/32-DC24/300	2.5	32	DC24	300	3	1.25	21-50	500
3YCPS2.5/40-DC48/400	2.5	40	DC48	400	3	1.25	42-100	600
3YCPS2.5/56-DC48/600	2.5	56	DC48	600	3	1.25	42-100	800
3YCPS2.5/72-DC48/750	2.5	72	DC48	750	3	1.25	42-100	1000
3YCPS2.5/96-DC72/1100	2.5	96	DC72	1100	3	1.25	63-150	1500
3YCPS3.5/25-DC24/300	3.5	25	DC24	300	3	1.25	21-50	500
3YCPS3.5/32-DC48/400	3.5	32	DC48	400	3	1.25	42-100	600
3YCPS3.5/48-DC48/600	3.5	48	DC48	600	3	1.25	42-100	800
3YCPS3.5/56-DC48/750	3.5	56	DC48	750	3	1.25	42-100	1000
3YCPS3.5/88-DC72/1100	3.5	88	DC72	1100	3	1.25	63-150	1500

4YCSS Series Deep Well Solar Pump

Material

- Outlet: Stainless steel
- Pump Head: Stainless steel
- Pump Body: Stainless steel
- Impeller: Stainless steel
- Motor: Permanent magnet DC brushless motor

Model Analysis

- 4YCSS4/35-DC24/300
- 4-----4inch pump body dimension
- YCSS-----YesChamp SS304 Deep Well Solar Pump
- 4-----Max. Flow(m³/h)
- 35-----Max. Head(m)
- DC-----DC pump
- 24-----Pump voltage(V)
- 300-----Pump power(W)

Application

- Distance water irrigation
- Village and town water supply
- Clean drinking water
- Garden watering
- Pumping and drip irrigation

Advantage

- Solar engine
- High efficiency
- Small size
- Light weight
- Brushless pump
- Easy installation
- Environment friendly



TECHNICAL DATA

Model	MAX Flow (m ³ /h)	MAX Head (m)	Pump				Solar Panels	
			Voltage (V)	Power (W)	Pump Dia (inch)	Outlet Dia (inch)	Voltage (V)	Power (W)
4YCSS4/35-DC24/300	4	35	DC24	300	4	1.25	21-50	500
4YCSS4/52-DC48/400	4	52	DC48	400	4	1.25	42-100	600
4YCSS4/70-DC48/600	4	70	DC48	600	4	1.25	42-100	800
4YCSS4/90-DC48/750	4	90	DC48	750	4	1.25	42-100	1000
4YCSS4/120-DC72/1100	4	120	DC72	1100	4	1.25	63-150	1500
4YCSS4/155-DC96/1300	4	155	DC96	1300	4	1.25	84-200	1720
4YCSS10/75-DC72/1100	10	75	DC72	1100	4	1.5	63-150	1500
4YCSS10/90-DC96/1300	10	90	DC96	1100	4	1.5	84-200	1720
4YCSS18/30-DC72/1100	18	30	DC72	1100	4	2	63-150	1500
4YCSS18/50-DC96/1300	18	50	DC96	1300	4	2	84-200	1720

YCQB Series Surface Solar Pump

Material

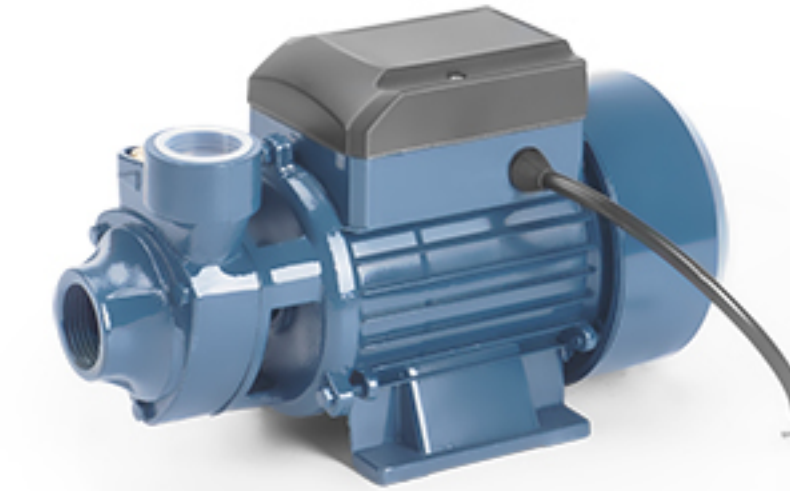
- Outlet: Cast iron/Stainless steel
- Pump Head: Cast iron/Stainless steel
- Pump Body: Cast iron/Stainless steel
- Impeller: Brass
- Motor: Permanent magnet DC brushless motor

Application

- Distance water irrigation
- Village and town water supply
- Clean drinking water
- Garden watering
- Pumping and drip irrigation

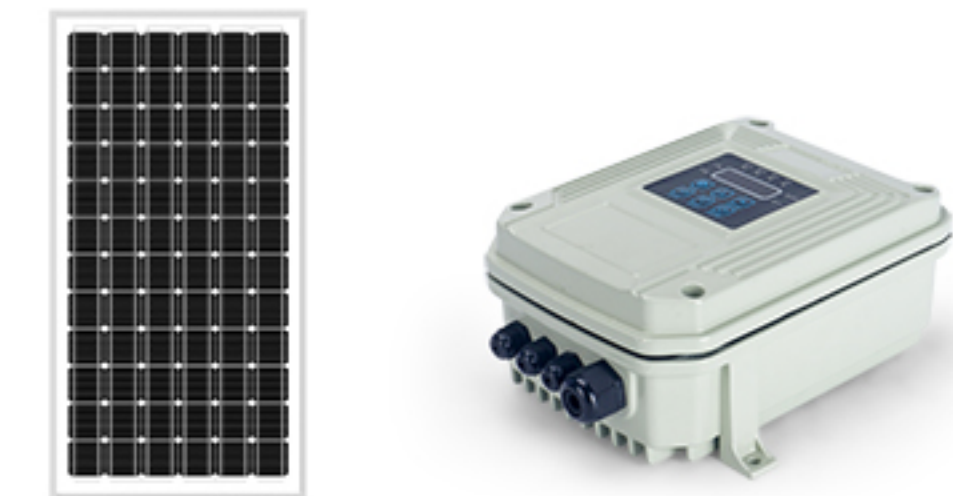
Advantage

- Solar Engine
- High efficiency
- Small size
- Light weight
- Brushless pump
- Easy installation
- Environment friendly



Model Analysis

- YCQB 2.3/36-DC24/270
- YCQB-----YesChamp QB series surface Solar Pump
- 2.3-----Max. Flow(m³/h)
- 36-----Max. Head(m)
- DC-----DC pump
- 24-----Pump voltage(V)
- 270-----Pump power(W)



TECHNICAL DATA

Model	MAX Flow (m ³ /h)	MAX Head (m)	Pump				Solar Panels	
			Voltage (V)	Power (W)	Inlet Dia (inch)	Outlet Dia (inch)	Voltage (V)	Power (W)
YCQB2.3/36-DC24/270	2.3	36	DC24	270	1"	1"	21-50	500
YCQB3/50-DC24/500	3	50	DC24	500	1"	1"	24-50	800
YCQB4/60-DC48/750	4	60	DC48	750	1"	1"	42-100	1000

YCJET Series Surface Solar Pump

Material

- Outlet: Cast iron/Stainless steel
- Pump Head: Cast iron/Stainless steel
- Pump Body: Cast iron/Stainless steel
- Impeller: Brass/Iron
- Motor: Permanent magnet DC brushless motor



Application

- Distance water irrigation
- Village and town water supply
- Clean drinking water
- Garden watering
- Pumping and drip irrigation

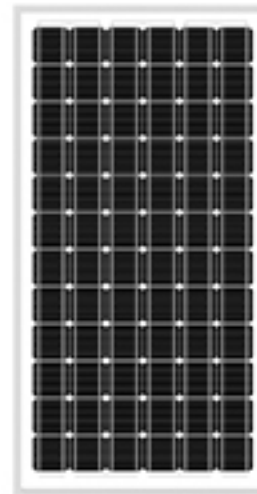
Advantage

- Solar Engine
- High efficiency
- Small size
- Light weight
- Brushless pump
- Easy installation
- Environment friendly



Model Analysis

YCJET 3/40-DC48/370
 YCJET-----YesChamp JET series surface Solar Pump
 3-----Max. Flow(m³/h)
 40-----Max. Head(m)
 DC-----DC pump
 28-----Pump voltage(V)
 370-----Pump power(W)



TECHNICAL DATA

Model	MAX Flow (m ³ /h)	MAX Head (m)	Pump				Solar Panels	
			Voltage	Power	Inlet Dia	Outlet Dia	Voltage	Power
			(V)	(W)	(inch)	(inch)	(V)	(W)
YCJET3/40-DC48/370	3	40	DC48	370	1"	1"	42-100	600
YCJET3.5/48-DC48/550	3.5	48	DC48	550	1"	1"	42-100	800
YCJET3.8/52-DC48/750	3.8	52	DC48	750	1"	1"	42-100	1000

YCNP Series Submersible Solar Pump

Material

- Outlet: Plastic
- Pump Body: Iron
- Impeller: Plastic
- Motor: DC brush motor



Application

- Clean drinking water
- Garden watering

Advantage

- Solar Engine
- Small size
- Environment friendly

Model Analysis

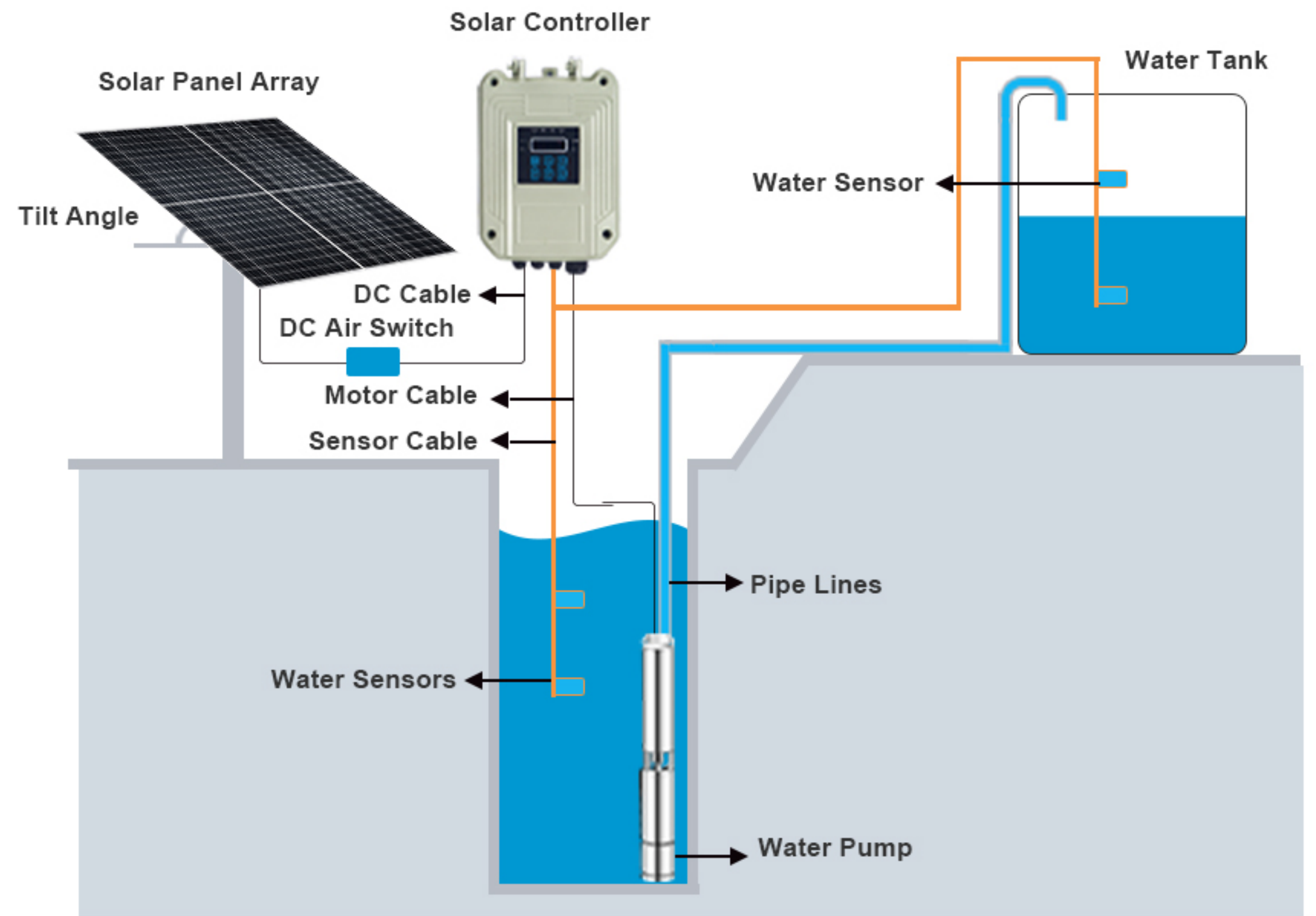
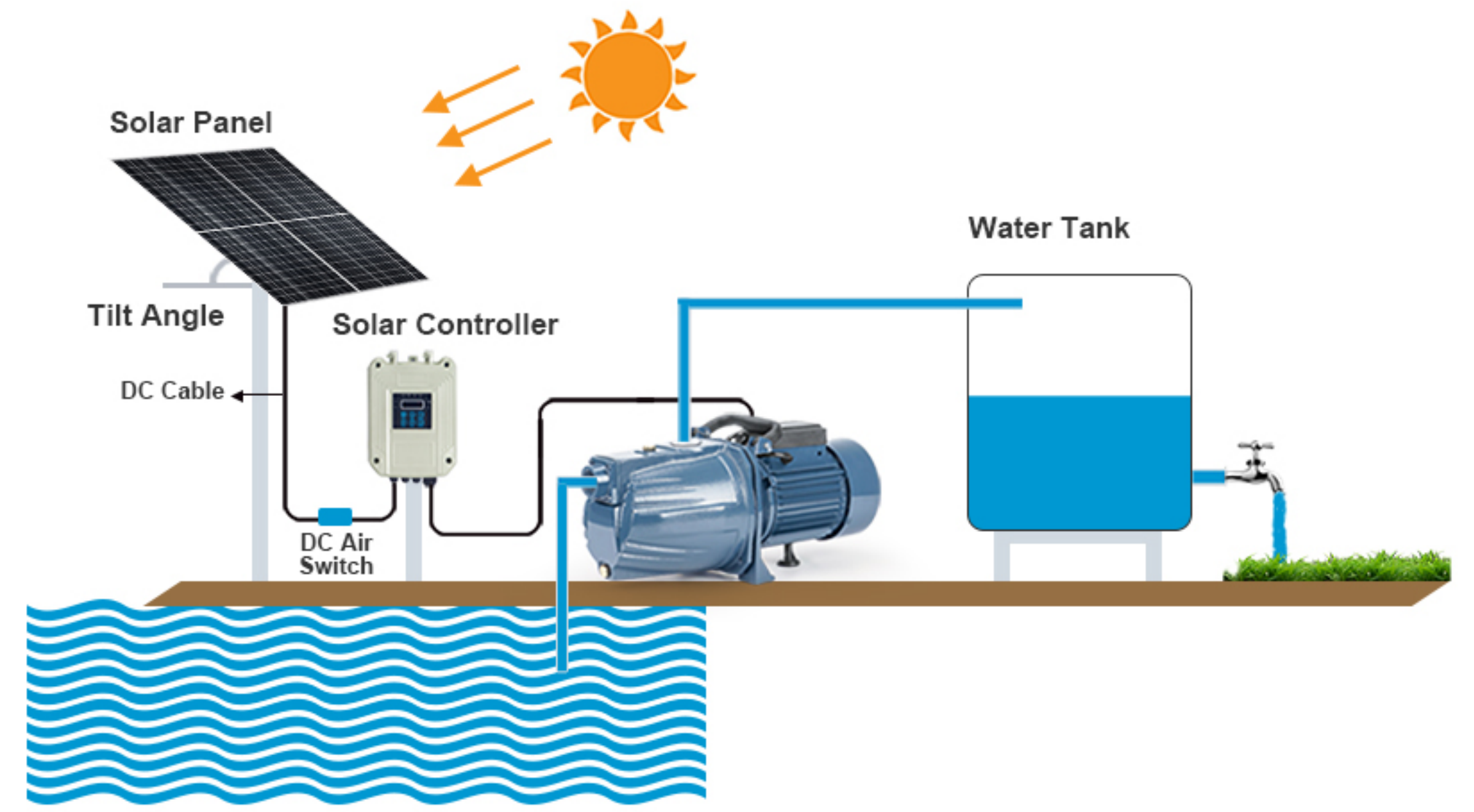
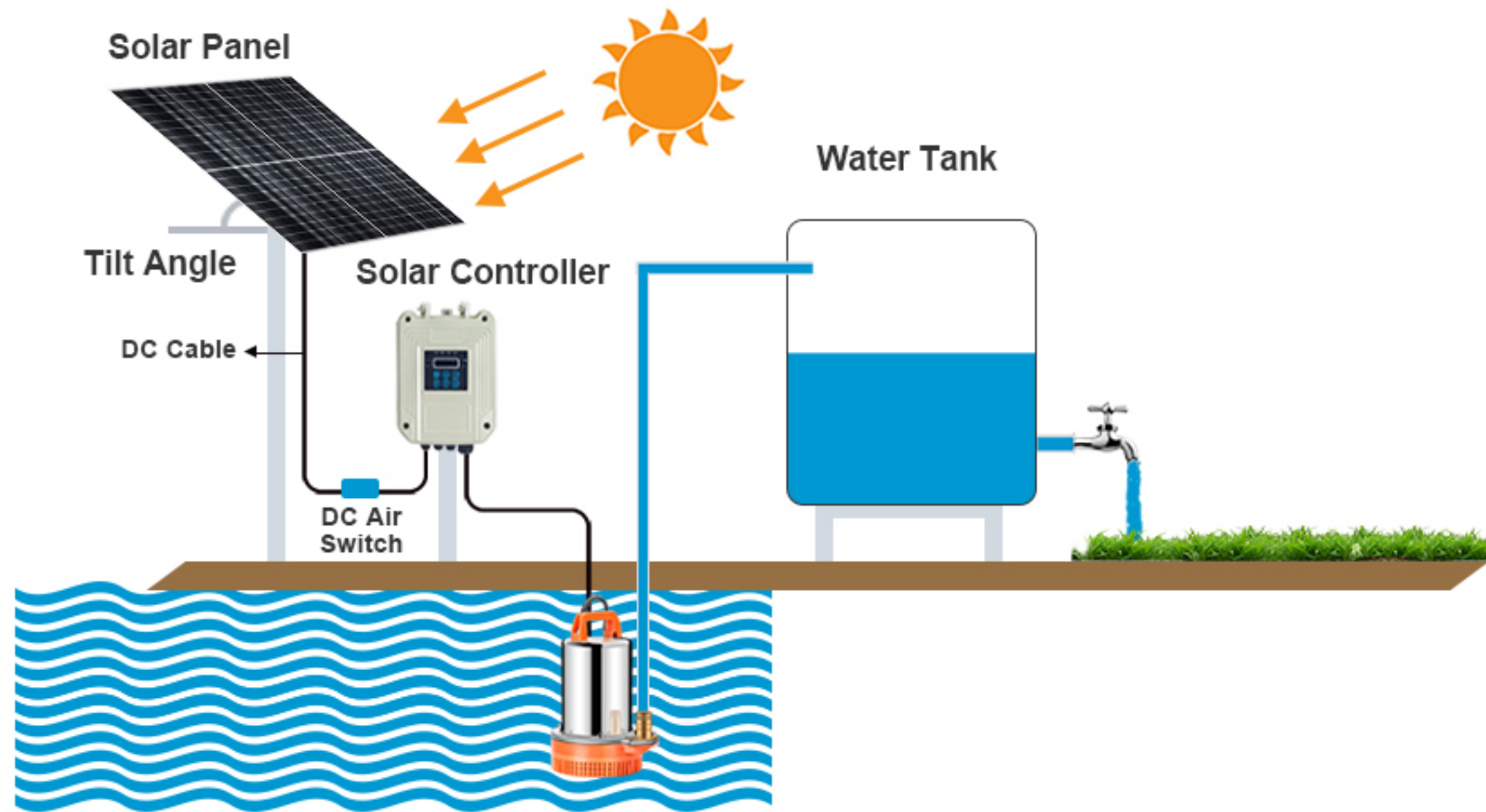
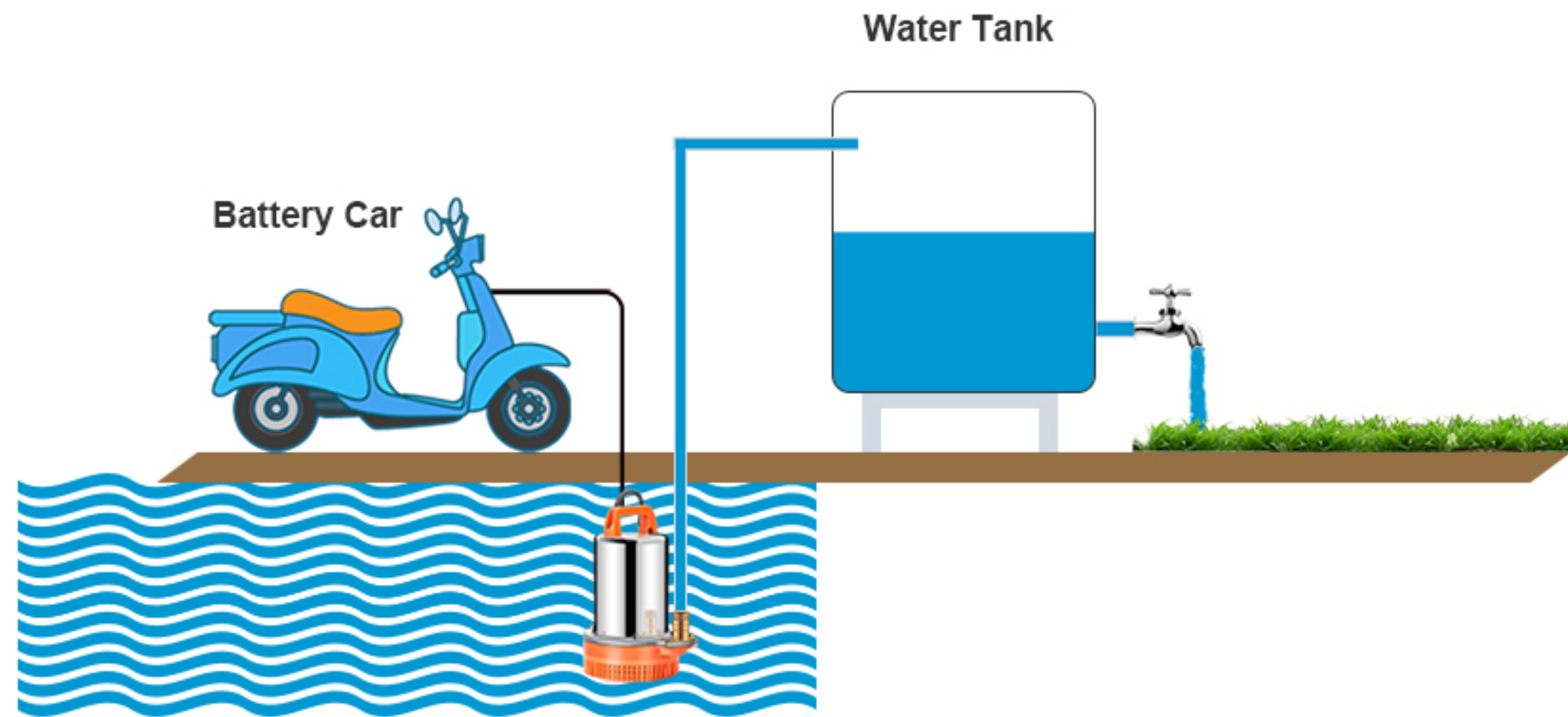
YCNP-12
 YCNP-----YesChamp solar Pump
 12-----Pump voltage(v)



TECHNICAL DATA

Item	Voltage	Power	Max. Flow	Max. Head	Outlet
	(V)	(W)	(m ³ /h)	(m)	(inch)
YCNP-12	12	160	3	9-10	25
YCNP-24	24	190	4	12	25
YCNP-48	48	255	5	14	25
YCNP-60	60	275	5	14	25

INSTALLATION



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

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

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

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

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

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