



DC Brush-less Solar Pump System

Application

- Livestock watering
- Drinking water
- Pond management
- Irrigation systems
- Responsible leisure



Livestock watering



Drinking water



Pond management



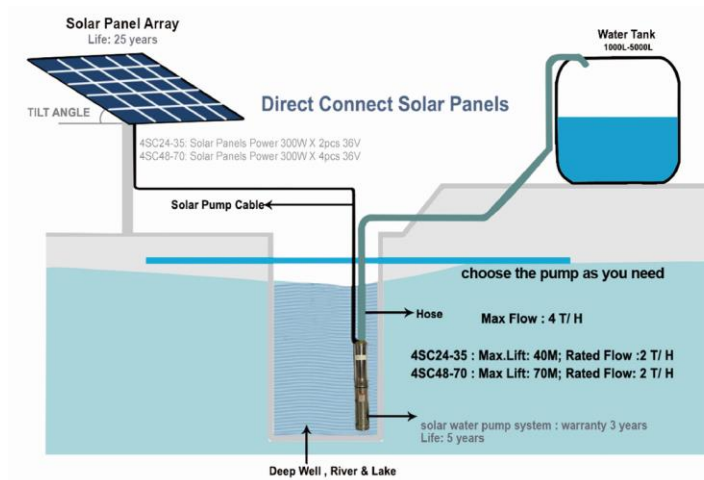
Responsible leisure



Irrigation systems



System connection



Feature

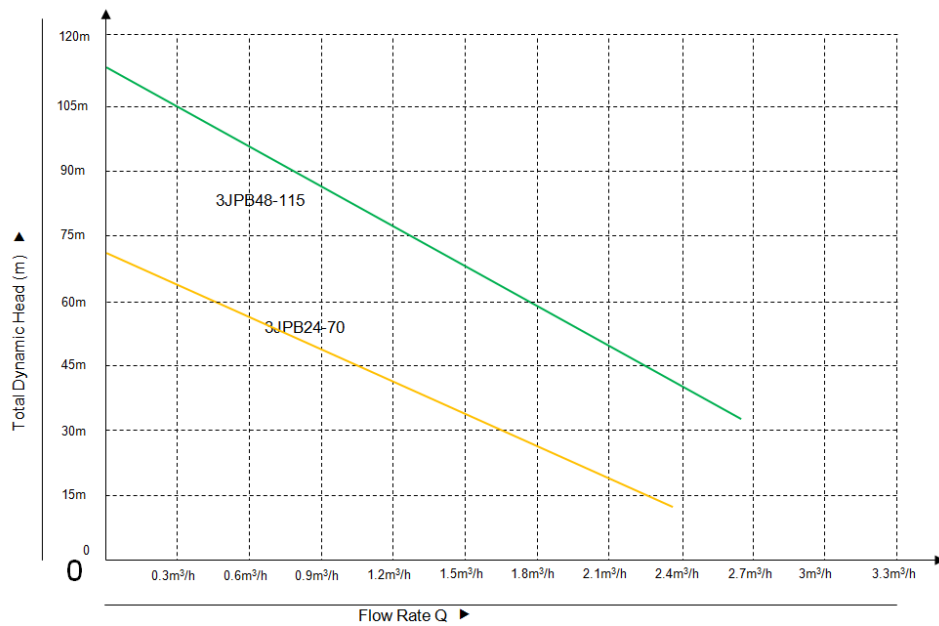
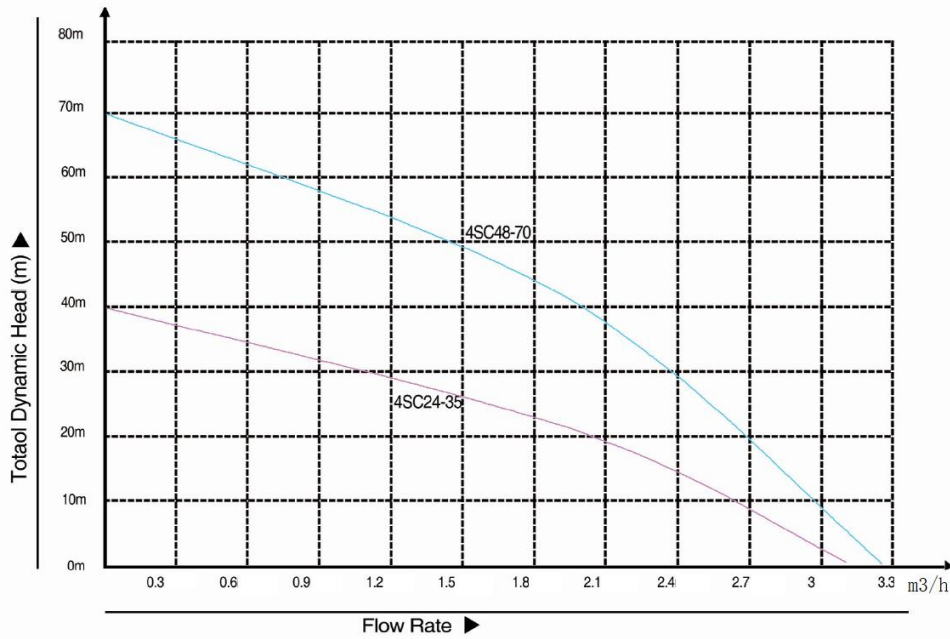
- Fast & simple installation with inner controller & MPPT
- Maintenance free with DC brush-less motor
- High reliability & long life 20000 hours continuous working
- Multistage centrifugal impeller anti-lock & anti-sand pump lift not just clean water
- The best ROI DC brush-less centrifugal submersible solar water pump

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Technical data

DC Brush-less Solar Pump									
Model	Power	MPPT Voltage	Max.Lift	Rated lift	Max.Flow	Rated flow	Inlet Port	Outlet Port	protection
	W	V	m	m	T/H	T/H	mm		
4SC48-70	600	36V-72V	70	40	4	2	100	1.2	IP68
4SC24-35	300	18V-36V	40	20	4	2	100	1.2	IP68
3JPB24-70	300	18V-48V	70	50	2	1	100	1	IP68
3JPB48-115	600	36V-96V	115	85	2	1	100	1	IP68





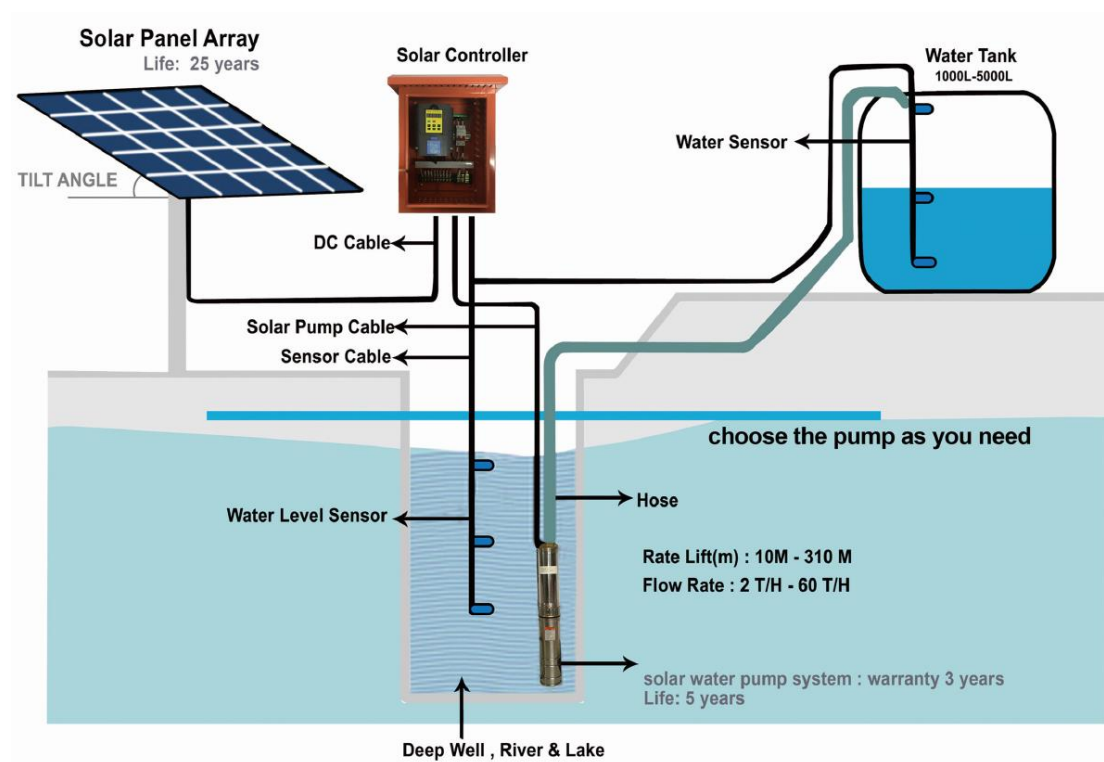
Unattended Operation Solar water Pump System

Application

- High flow drinking water supply
- Livestock watering
- Irrigation systems
- Desert water supply
- Responsible leisure
- Pond management



System connection



Feature

- High reliability & long life 20000 hours continuous working
- The best ROI solar water pump made in China
- Multistage centrifugal impeller anti-lock & anti-sand pump lift not just clean water
- Maintenance free unattended operation solar water pump system Power frequency system & centrifugal pump, reliable performance even harsh condition



Structure

- Original imported POM impeller high flexibility make 10-15% higher on lift/flow rate
- Excellent motor and NSK bearing
- Triple protection ceramic & alloy metal for motor
- Grade A 100% copper wire motor
- Low speed starting AC asynchronous motor special for solar powered system Non-magnetic high efficient power frequency motor design
- Pump inner extra pressure balance device setting

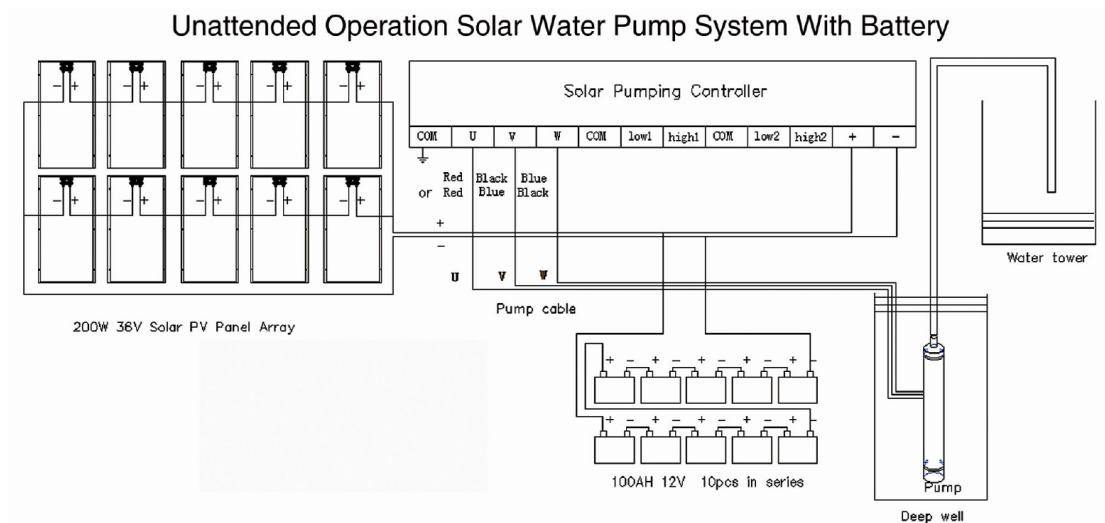


Controller

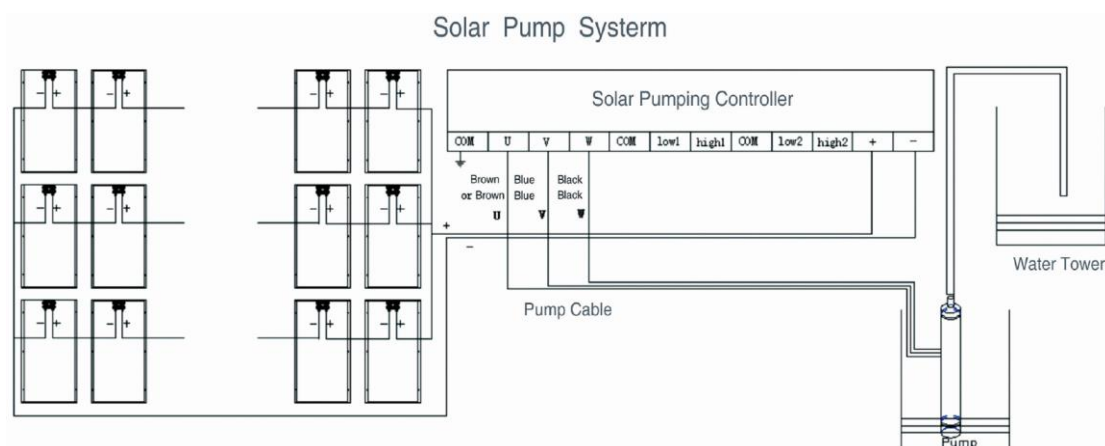
- Automatically starting, monitoring unattended operation system
- Inner MPPT Max. Power use from PV modules
- System with water sensors
- Memory function, inner data processor, smart modular
- Quick response 0.1S sampling, monitoring, replacing Max. mode to highest efficiency
- Large power & voltage range setting, dual anti-thunder, quality at harsh conditions



Solar pump system with battery



Solar pump system without battery



Technical data

1.5T Series									
Model	Power	MPPT Voltage	Open Voltage	Rated lift	Max. Lift	Rated flow	Inlet Port	Outlet Port	protection
	W	V	V	m	m	T/H	mm	inch	
3SH1.5/7-0.18	180	36V	44V	24	30	1.5	76	1.00	IP68
3SH1.5/10-0.25	250	36V	44V	34	45	1.5	76	1.00	IP68
3SH1.5/14-0.37	370	36V	44V	48	59	1.5	76	1.00	IP68
4SH1.5/7-0.25	250	36V	44V	30	49	1.5	100	1.25	IP68



3SI1.5/7-0.18	180	72V	88V	24	30	1.5	76	1.00	IP69
3SI1.5/10-0.25	250	72V	88V	34	45	1.5	76	1.00	IP68
3SI1.5/14-0.37	370	72V	88V	48	59	1.5	76	1.00	IP68
3SI1.5/20-0.55	550	72V	88V	69	84	1.5	76	1.00	IP68
3SJ1.5/14-0.37	370	110V	140V	48	59	1.5	76	1.00	IP68
3SJ1.5/20-0.55	550	110V	140V	69	84	1.5	76	1.00	IP68
4SJ1.5/10-0.37	370	110V	140V	49	70	1.5	100	1.25/1.5	IP68
4SJ1.5/14-0.55	550	110V	140V	68	98	1.5	100	1.25/1.5	IP68
3SK1.5/20-0.55	550	180V	230V	69	84	1.5	76	1.00	IP68
3SK1.5/27-0.75	750	180V	230V	92	113	1.5	76	1.00	IP68
3SK1.5/37-1.1	1100	180V	230V	127	155	1.5	76	1.00	IP68
4SK1.5/14-0.55	550	180V	230V	68	98	1.5	100	1.25/1.5	IP68
4SK1.5/18-0.75	750	180V	230V	88	126	1.5	100	1.25/1.5	IP68
4SK1.5/22-1.1	1100	180V	230V	107	154	1.5	100	1.25/1.5	IP68
3SM1.5/37-1.1	1100	360V	500V	127	155	1.5	76	1.00	IP68
3SM1.5/47-1.5	1500	360V	500V	161	197	1.5	76	1.00	IP68
4SM1.5/22-1.1	1100	360V	500V	107	154	1.5	100	1.25/1.5	IP68
4SM1.5/30-1.5	1500	360V	500V	127	182	1.5	100	1.25/1.5	IP68

2T Series

Model	Power	MPPT Voltage	Open Voltage	Rated lift	Max. Lift	Rated flow	Inlet Port	Outlet Port	protection
	W	V	V	m	m	T/H	mm	inch	
4SJ2/8-0.37	370	110V	140V	44	56	2.0	100	1.25/1.5	IP68
4SJ2/11-0.55	550	110V	140V	61	77	2.0	100	1.25/1.5	IP68
4SK2/11-0.55	550	180V	230V	65	77	2.0	100	1.25/1.5	IP68
4SK2/14-0.75	750	180V	230V	83	98	2.0	100	1.25/1.5	IP68
4SK2/20-1.1	1100	180V	230V	118	140	2.0	100	1.25/1.5	IP68
4SM2/20-1.1	1100	360V	500V	118	140	2.0	100	1.25/1.5	IP68
4SM2/26-1.5	1500	360V	500V	120	182	2.0	100	1.25/1.5	IP68
4SP2/26-1.5	1500	540V	750V	120	159	2.0	100	1.25/1.5	IP68
4SP2/32-2.2	2200	540V	750V	190	252	2.0	100	1.25/1.5	IP68
4SP2/44-3	3000	540V	750V	250	332	2.0	100	1.25/1.5	IP68
4SP2/60-4	4000	540V	750V	320	420	2.0	100	1.25/1.5	IP68

15T Series

Model	Power	MPPT Voltage	Open Voltage	Rated lift	Max. Lift	Rated flow	Inlet Port	Outlet Port	protection
	KW	V	V	m	m	T/H	mm	inch	
6SQ15/7-7.5	7.5	540V	750V	77	98	15	130	2	IP68
6SQ15/9-9.2	9.2	540V	750V	99	126	15	130	2	IP68
6SQ15/11-11	11	540V	750V	143	182	15	130	2	IP68



6SQ15/15-15	15	540V	750V	165	210	15	130	2	IP68
6SQ15/19-18.5	18.5	540V	750V	209	266	15	130	2	IP68
20T Series									
Model	Power	MPPT Voltage	Open Voltage	Rated lift	Max.Lift	Rated flow	Inlet Port	Outlet Port	protection
	KW	V	V	m	m	T/H	mm	inch	
6SQ20/8-7.5	7.5	540V	750V	69	112	20	130	2	IP68
6SQ20/10-9.2	9.2	540V	750V	86	140	20	130	2	IP68
6SQ20/12-11	11	540V	750V	103	168	20	130	2	IP68
6SQ20/14-13	13	540V	750V	120	196	20	130	2	IP68
6SQ20/16-15	15	540V	750V	138	224	20	130	2	IP68
6SQ20/20-18.5	18.5	540V	750V	172	280	20	130	2	IP68
30T Series									
Model	Power	MPPT Voltage	Open Voltage	Rated lift	Max.Lift	Rated flow	Inlet Port	Outlet Port	protection
	KW	V	V	m	m	T/H	mm	inch	
6SR30/2	3	540V	750V	14	29	30	151	0.75	IP68
6SR30/3	4	540V	750V	20	43	30	151	0.75	IP68
6SR30/5	5.5	540V	750V	34	51	30	151	0.75	IP68
6SR30/7	7.5	540V	750V	47	100	30	151	0.75	IP68
6SR30/9	9.2	540V	750V	61	129	30	151	0.75	IP68
6SR30/11	11	540V	750V	75	157	30	151	0.75	IP68
6SR30/12	13	540V	750V	81	172	30	151	0.75	IP68
	15	540V	750V	95	200	30	151	0.75	
6SR30/18	18.5	540V	750V	122	257	30	151	0.75	IP68
6SR30/21	22	540V	750V	142	300	30	151	0.75	IP68
6SR30/23	26	540V	750V	156	329	30	151	0.75	IP68
6SR30/27	30	540V	750V	183	386	30	151	0.75	IP68
45T Series									
Model	Power	MPPT Voltage	Open Voltage	Rated lift	Max. Lift	Rated flow	Inlet Port	Outlet Port	protection
	KW	V	V	m	m	T/H	mm	inch	
6SR45/2	3	540V	750V	15	25	45	151	0.75	IP68
6SR45/3	4	540V	750V	22	37	45	151	0.75	IP68
6SR45/4	5.5	540V	750V	30	50	45	151	0.75	IP68
6SR45/5	7.5	540V	750V	38	62	45	151	0.75	IP68
6SR45/6	9.2	540V	750V	46	74	45	151	0.75	IP68
6SR45/7	11	540V	750V	52	87	45	151	0.75	IP68



6SR45/8	13	540V	750V	58	99	45	151	0.75	IP68
	15	540V	750V	66	112	45	151	0.75	
6SR45/11	18.5	540V	750V	82	136	45	151	0.75	IP68
6SR45/13	22	540V	750V	100	161	45	151	0.75	IP68
6SR45/15	26	540V	750V	110	186	45	151	0.75	IP68
6SR45/17	30	540V	750V	125	211	45	151	0.75	IP68
60T Series									
Model	Power	MPPT Voltage	Open Voltage	Rated lift	Max. Lift	Rated flow	Inlet Port	Outlet Port	protection
	KW	V	V	m	m	T/H	mm	inch	
6SR60/2	4	540V	750V	10	24	60	151	0.75	IP68
6SR60/3	5.5	540V	750V	15	37	60	151	0.75	IP68
6SR60/4	7.5	540V	750V	20	49	60	151	0.75	IP68
6SR60/5	11	540V	750V	25	61	60	151	0.75	IP68
6SR60/6	13	540V	750V	30	73	60	151	0.75	IP68
6SR60/7	15	540V	750V	35	85	60	151	0.75	IP68
6SR60/8	18.5	540V	750V	45	110	60	151	0.75	IP68
	22	540V	750V	50	122	60	151	0.75	
6SR60/12	26	540V	750V	60	146	60	151	0.75	IP68
6SR60/14	30	540V	750V	70	171	60	151	0.75	IP68
6SR60/16	37	540V	750V	80	195	60	151	0.75	IP68



Solar Powered Submersible Water Pump

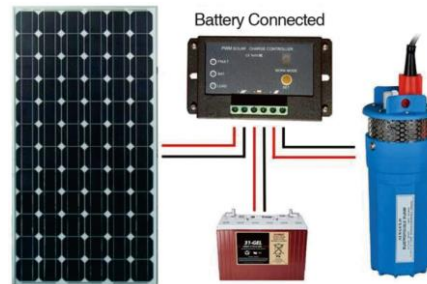
Application

- Drinking water supply
- Solar micro irrigation (small family' garden)
- Water supply for remote domestic usage
- Water supply for solar thermal installation
- Irrigation of fields and greenhouses
- Pond management
- Game parks and game farms



Feature & benefits

- Strong construction, light weight
- Corrosion-proof housing with stainless steel fastener
- Dry running capability without pump damage
- Internal bypass feature for pump protection
- Long-life, 12VDC/24VDC operation easily repaired in the field



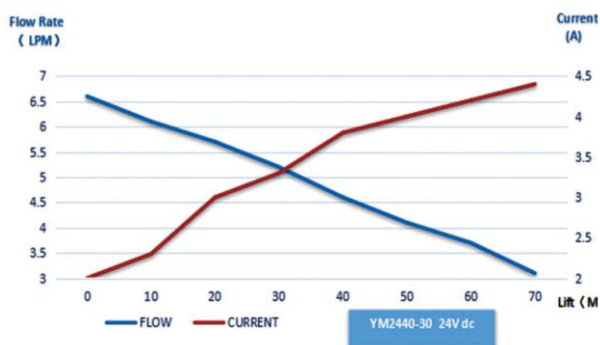
Technical data

Technical Data		
Body Cover	Plastic Body	Stainless Steel Body
Pump Design	Positive Displacement 3 Chamber Diaphragm Pump	
Motor	Permanent magnet, thermally protected	
Nominal voltage	24V/12VDC	
Outlet Port	1/2"(12.7mm) Barbed Fitting for 1/2"(12.7mm) Tube	
Inlet	50 Mesh Stainless Steel screen	
Typical Applications	Portable Water Well Pump	
Amps	4.0 Max/8.0 Max	5.0 Max/10.0 Max

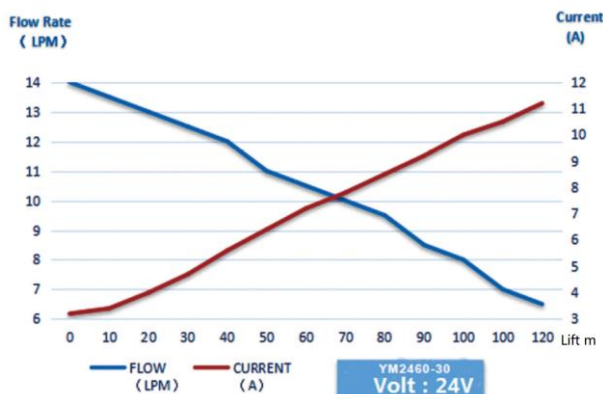


Maximum Lift		230 Feet Maximum(70m)				330 Feet Maximum(100m)		
Maximum Submersion		100 Feet Maximum(30m)				100 Feet Maximum(30m)		
Materials		High Strength Engineered Plastics, Stainless Steel Fasteners				Stainless steel body		
Model	Volt	Flow Rate	Max. Lift	Max. Submersible	Amps	Packing Size (mm)	N.W/G.W(kgs)	Remark
YM2440-30	24V	6.0LPM	70M	30M	4.0A	355*130*110	2.9/3.0	Plastic body
YM1240-30	12V	6.0LPM	70M	30M	8.0A	355*130*110	2.9/3.0	Plastic body
YM2460-30	24V	12.0LPM	100M	30M	5.0A	355*130*110	3.3/3.6	Stainless Steel Body
YM1260-30	12V	12.0LPM	100M	30M	10.0A	355*130*110	3.3/3.6	Stainless Steel Body

Model:YM2440-30		
Max Head (meter)	CURRENT(A)	FLOW (LPM)
0	2	6.6
10	2.3	6.1
20	3	5.7
30	3.3	5.2
40	3.8	4.6
50	4	4.1
60	4.2	3.7
70	4.4	3.1



YM2460-30		
Max Head (meter)	CURRENT(A)	FLOW (LPM)
0	3.2	14
10	3.4	13.5
20	4	13
30	4.7	12.5
40	5.6	12
50	6.4	11
60	7.2	10.5
70	7.8	10





80	8.5	9.5
90	9.2	8.5
100	10	8
100	10.5	7
120	11.2	6.5

DC Brush-less Diaphragm Solar Water Pump

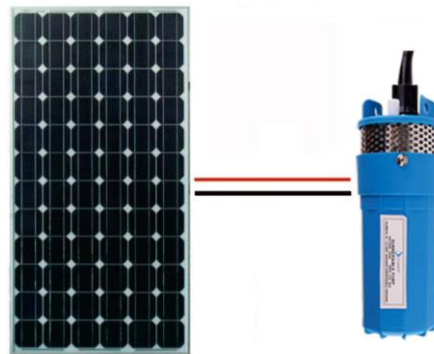
Application

- Drinking water supply
- Water supply for remote domestic usage
- Water supply for solar thermal installation
- Water supply for animals
- Game parks and game farms



Feature & benefits

- Strong construction, yet light weight(3kgs)
- Corrosion-proof housing with stainless-steel fasteners
- Dry Running capability without pump damage
- Internal Bypass Feature for pump protection
- Long life more than 10000hours, 36&72VDC Operation
- State of the art solid diaphragm
- Inner controller & MPPT, direct connect 36V&72V solar panels
- Maintenance free with continuous working duty cycle





Technical data

Technical Data					
Body Cover		Plastic body			
Pump Design		Positive Displacement 3 Chamber Diaphragm Pump			
Motor		Permanent Magnet, thermally Protected			
Nominal voltage		36V/72VDC			
Amps		5.0 Max.			
Outlet Port		1/2"(12.7mm) Barbed Fitting for 1/2"(12.7mm)I.D. Tubing			
Inlet		50 Mesh Stainless Steel screen/50			
Materials		High Strength Engineered Plastics, Plastic body, Portable Water Well Pump			
Model	Volt	Flow Rate	Max.Lift	Amps	Remark
YM3640-10	36V	8.0LPM	60M	3.0A	1*200w solar panels
YM4860-20	72V	15.0LPM	96M	4.5A	2*300w solar panels
YM4860-30	72V	20.0LPM	72M	4.5A	2*300w solar panels