

3Inch Stainless Steel Solar <u>Helical Pumps</u>							
Model	Pump		Solar Panels		Max.Flow (m ³ /h)	Max. Head (m)	Outlet Dia. (inch)
	Voltage(V)	Power(W)	Vmp(V)	Power(W)			
3FLS1.0/30-D24/80	24	80	18-38	120-180	1	30	0.75
3FLS1.3/50-D24/140	24	140	24-38	180-250	1.3	50	0.75
3FLS1.8/80-D24/210	24	210	28-38	280-400	1.8	80	0.75
3FLS1.8/100-D24/270	24	270	35-38	360-500	1.8	100	0.75
3FLS1.8/120-D36/500	36	500	48-54	650-800	1.8	120	0.75
3FLS2.3/140-D48/750	48	750	60-75	980-1200	2.3	140	0.75
3FLS2.3/160-D72/1000	72	1000	72-80	1200-1500	2.3	160	0.75
3FLS2.3/180-D72/1200	72	1200	72-80	1500-1800	2.3	180	0.75

Advantages of solar water pumping system

1. High efficiency, small size, light weight, more functions
2. **MPPT function**
3. Automatically working function
4. solar powered water pumps work with both solar power and battery, can connect with solar panels and dc battery at same time, will use solar power in advance which is more higher efficient than MTPP function.
5. When power on the solar pump system, controller will detect the system of energy source to see it is solar panels or batteries, then start working. If there is solar power then use solar power, if no solar power will use batteries automatically.

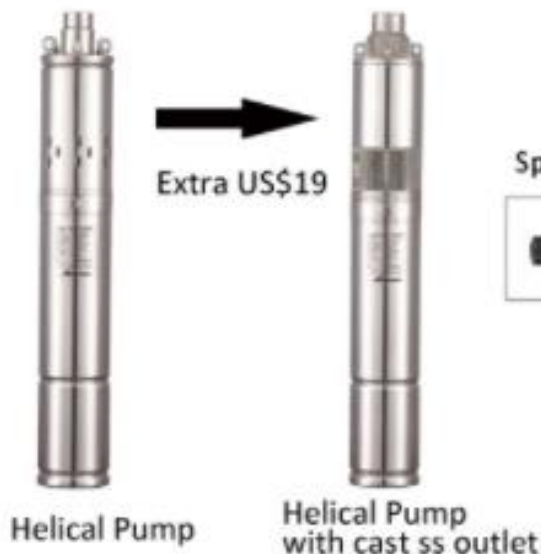
Features of solar water pumping system

1. solar powered water pumps High Energy Efficiency, motor efficiency is higher about 10-20% than common motors.
2. Small size, whole 304 stainless steel material.
3. Multifunctions and Auto-protecting.
4. DC/SOLAR Energy multi power supplies.
5. Auto start, when there is solar power, the pump will operate automatically

Quick Details

Brand Name:	Feili Pump	Model Number:	3FLS1.8/100-D24/270
Place of Origin:	Zhejiang, China	Application:	Developing World Water So...
Horsepower:	0.5hp	Power Source:	Electric, Solar power
Pressure:	Max 10 bar	Structure:	SCREW PUMP
Cable Length:	3m	Outlet Size:	0.75 inch
Voltage:	DC24V / DC48V /DC72V/D...	Power:	400~500W, 270w
Certification:	RoHS, ce, CB, ISO	Theory:	screw & centrifugal
Material:	201/304 stainless steel	Max flow:	1.8m3/h solar water well p...
Max head:	100m solar water pumping...	Outlet dia:	0.75 inch
Motor:	brushless dc motorsolar w...	Pump dia:	3inch solar water well pum...
Warranty:	2 years warranty		

Description



DC Solar Power Water Pump

Spare Parts



Screw



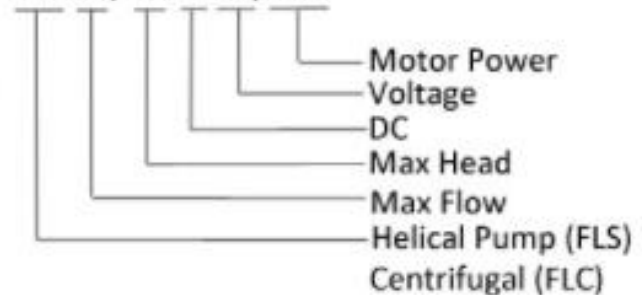
Cable Connector



Water Level Sensor

Model Instruction

FLS 1.8/100-D 24/270



3 Inch Centrifugal Pump
With Stainless steel Impeller



Digitized
MPPT Controller



4 Inch Centrifugal Pump
With Stainless steel Impeller

Material of parts:

Outlet: 304 Stainless Steel
Pump body: 304 Stainless Steel
Motor body: 304 Stainless Steel
Bearing: NSK

Helical Rotor&screw:

Motor: Full Oil Permanent Magnet
Brushless DC Motor

Controller: 32bit MCU/FOC/Sine Wave
Current/MPPT

Controller Shell: Die-cast Aluminum (IP67)

Warranty: 2 years