



- Suction / max. positive inlet lift: 3.0 m
- Max. Casing pressure: 2.5 bar
- Max. Water temperature: +60°C



Free Accessories



Heat shrinkable tube



Water level sensor



1.5m Cable with MC4 connector

TSSP15-14-48/600

TSSP18-8-96/750

TSSP25-15-110/1000

1.APPLICATION AREA:

This project products are mainly used in dry region for irrigation of agriculture, It can be used for drinking water and living water. The living condition could be much improved. It also can be used for fountains.

2.MATERIAL OF PARTS:

Outlet: stainless steel

Pump body: stainless steel

Motor body: stainless steel

Bearing: C&U

3.ADVANCED TECHNOLOGY:

1.Application innovation

Compared with the traditional alternating current machine, the efficiency is improved 25% by the permanent magnetism, direct current, brushless, non-sensor motor.

2.Technics innovation

Adopt double plastic package for rotor and stator, motor insulation $\geq 300M\Omega$, the motor security was much improved.

3.Structure innovation

Oil filling, convenient installation and environmental protection

4.HIGHLIGHTS

a.Energy-saving and environment-protected green products

b.High technique products adopting MPPT and DSP chip technique.

c.100% copper wire, cold-rolled silicon steel sheet

d.CE certificate

e.Advanced three phase brushless DC motor

f.Stainless steel 316 screws

5.PRINCIPLE OF OPERATION:

Solar panel collects sunlight→DC electricity energy → solar controller(rectification,stabilization,amplification,filtering)→available DC electricity→(charge the batteries)→pumping water

6.ADVANTAGES OF SOLAR PUMP SYSTEM:

A.It is easier and more widely used than any other dynamoelectric driven pumps.

B.It is more economical and more environmentally friendly.

7.MODEL SELECTION:

a.The power of solar panel = power of pump ×1.3

The voltage of solar panel = the voltage of pump

The controller should be matched

b.Select the batteries according to the following formulas:

The use hour of battery =

The battery capacity ÷(the machine power÷the battery voltage)×0.6 For example,the machine power is 200W, the battery capacity is 100AH,the voltage is 12V,and the battery is fully charged,then the use hour is: $100 \div (200 \div 12) \times 0.6 = 3.6$ hours

c.The battery capacity=

the use hour ×0.6×(the machine power÷the battery voltage) For example,the machine power is 200W,the battery voltage is 12V,and the battery need to be used for 3.6hours,then the battery capacity is: $3.6 \div 0.6 \times (200 \div 12) = 100$ AH

Pump Performance

Type	Voltage (v)	Power (w)	Max Flow Rate (m ³ /h)	Max Head (m)	Inlet/Outlet (In)
TSSP18-8-96/750	96	750	18	8	3"X3"
TSSP25-15-110/1000	110	1000	25	15	3"X3"



