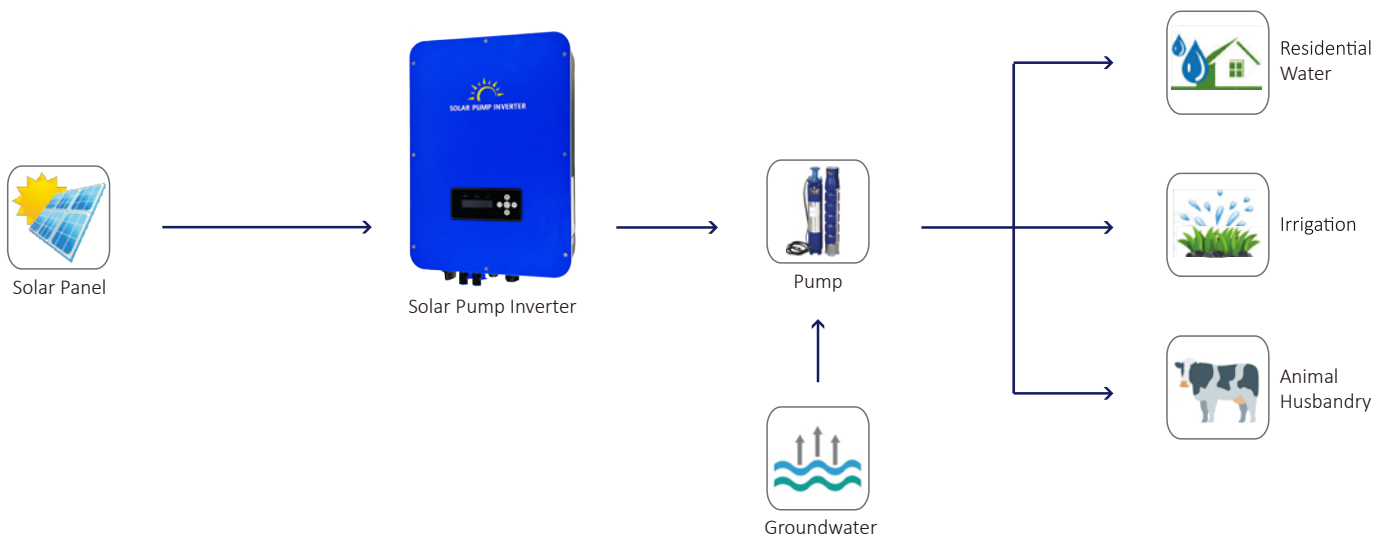


# Surfer Series

## Solar Pump Inverter

### MAIN FEATURES:

- High Efficiency. Use dynamic VI MPPT control method, MPPT efficiency 99%
- IP65 protection level, with heatsink cooling.
- Strong reliability, with power module (PIM).
- DC input voltage up to 900V.
- Support pump soft start, with complete motor protection function. Equipped with lower water level detection and control circuit to prevent overflow and dry pumping.
- Full automatic operation
- Full protection function and self-diagnosis.
- RS232/CAN/GPRS(optional), remote monitor or control system running status and mode.



### INTRODUCTION:

Solar Pump Inverter uses the solar power which is one of green energy and pumps directly after the conversion of the inverter. The system requires no external battery. It stores water instead of electricity and then drives the AC pump. This Inverter is economical, saving energy and clean. It can be applied to many occasions such as people and animals drinking water in remote areas, farmland irrigation, desertification control and city landscape water use etc.

# Solar Pump Inverter

## SPECIFICATION

### Model

3000T3

4000T3

5500T3

7500T3

9200T3

11000T3

### OPERATION ENVIRONMENT

Rated Output Power (W)	3000W	4000W	5500W	7500W	9200W	11000W
Max. Output Current (A)	8A	10A	13A	18A	21A	24A
Output Frequency (Hz)	0-50/60Hz			0-50/60Hz		
Output Voltage (Vac)	3PH 380V			3PH 380V		

### SOLAR INPUT

Qty. of PV Input Ports	2	2	2	3	3	3
Max. DC Input Voltage (Voc)	900V	900V	900V	900V	900V	900V

### MECHANICAL SPECIFICATIONS

Recommended MPPT Voltage (Vmp)	500-680V	500-680V
Ingress Protection	IP65	IP65
Weight (kg)	15Kg	16Kg
Dimension (mm)	480 x 340 x 155mm	563 x 346 x 148mm

## HOW TO MATCH A SYSTEM

### STEP 1 Choose the pump model

Choose the pump based on water-lift height and water flowrate

### STEP 2 Choose the pump inverter model

Pump inverter power size needs to be larger than pump power size

### STEP 3 Match solar panels

Recommend PV power: 1.5 times the pump power  
PV voltage: 500~680Vmp, Max. 900Voc