

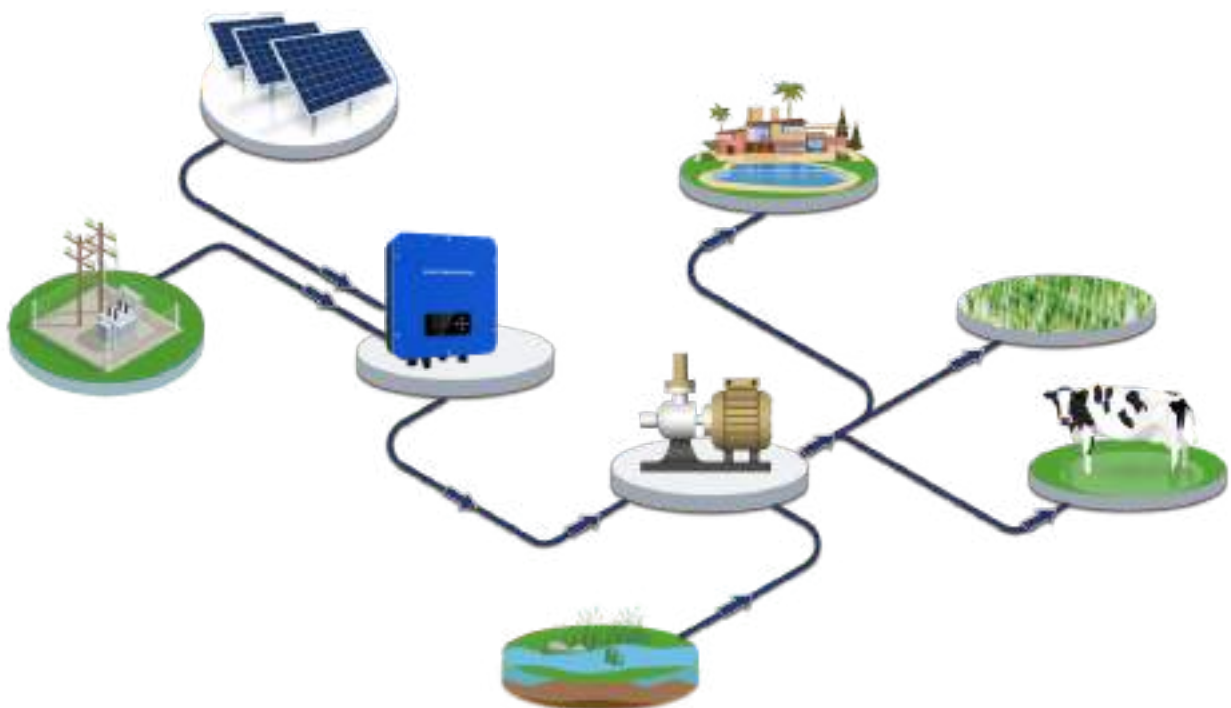
# Surfer ST2 Series

Solar Pump Inverter

220Vac 1phase/3phase output

## MAIN FEATURES

- ▶ High Efficiency. Use dynamic VI MPPT control method
- ▶ MPPT efficiency 99%
- ▶ IP65 protection level, with heat sink 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
- ▶ WiFi / GPRS(optional), remote monitor or control system running status and mode.



## SPECIFICATION

Model	Surfer 1500ST2	Surfer 2200ST2	Surfer 4000ST2
Specification (for 1 Phase 220v Or 3 Phase 220v Motor)			
<b>PV Input</b>			
Max. PV Input Voltage	450V		
Min.Starting Voltage	80V		
Recommended MPPT Voltage	100-400V		
Max. PV Input Current	12A	12A	16A
<b>AC Input</b>			
AC Input Voltage	1 PH 220~240V (-15%~10%)		
Rated AC Input Current	16A	24A	38A
AC Input Frequency	47~63 Hz		
AC Input Terminal	L,N,PE		
<b>AC Output</b>			
Rated Output Power	1500W	2200W	4000W
Rated Output Current	10.2A @ 1 phase 220V 7.5A @ 3 phase 220V	14A @ 1 phase 220V 10A @ 3 phase 220V	25A @ 1 phase 220V 16A @ 3 phase 220V
Output Wiring Mode	1P1L or 3P3L		
Output Voltage	0~220V single phase / 0~220V three phase		
Output Frequency	0~50/60Hz		
<b>General</b>			
Control Mode	V/F		
Pump Motor Type	Asynchronous motor, 1 phase 220V or 3 phase 220V		
Portection	Output overcurrent; Output overload; Output short-circuit; Dry / Overflow		
Enclosure Protection Degree	IP65		
Monitoring Option	GPRS / WiFi(Optional)		
<b>Others</b>			
Dimensions(W*D*H)	335*335*140mm	335*335*140mm	420*360*169mm
Net Weight	9.75kg	9.75kg	12kg
Operation Temperature Range	-25~60℃ (with derating above 45℃)		
Altitude	< 3000m (with derating above 2000m)		
Relative humidity	0~100%		