

WATER PUMP

MasterPower
Unlimited power

Series Omega 2.2kW LS

WATER PUMP INVERTER



Features

- Built-in MPPT solar charger.
- It supports both single-phase and three-phase induction motors, depending on the model.
- It supports single-phase AC input when PV power is not sufficient.
- Built-in full protection and self-diagnosis.
- Soft start function prevents water hammer effect and extends system lifecycle.
- Comprehensive LEDs and display screen for real-time system status.
- Remote monitoring through RS-485.
- Optional remote panel available.

Technical Specifications

Rated Output Power	2200W (3HP) (supports 0.75 ~ 3 HP water pump)	
PV INPUT (DC)		
Nominal DC Voltage/Max. DC Voltage	320/450VDC	
Start-Up Voltage	120VDC	
MPPT Voltage Range	120 ~ 420VDC	
Number of MPP Trackers	1	
AC INPUT		
Input Voltage	220/230/240VAC (-15% ~ 10%)	
Input Frequency	47 ~ 63Hz	
OUTPUT		
Nominal Voltage	220/230/240VAC	
Efficiency	> 97%	
Nominal Output Current	14A	10A
Motor Type	Single-phase motor	Three-phase asynchronous motor
Frequency Precision	± 0.2%	
PROTECTION		
Full Protection	Phase lost, dry pumping, motor locked, weak sunlight, over-voltage, under-voltage, over-current, surge, over-temperature and short circuit protection.	
PHYSICAL		
Dimension, D x W x H (mm)	110 x 230 x 342	
Net Weight (kg)	5	
IP Protection	IP20	
INTERFACE		
Communication Port	RS-232/RS-485	
ENVIRONMENT		
Humidity	< 95% RH (Non-condensing)	
Operating Temperature	-20°C ~ 45°C at 100% full load, 46°C ~ 60°C power derating.	

Product specifications are subject to change without further notice.



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