

WATER PUMP

MasterPower
Unlimited power

Series Omega 2.2kW

WATER PUMP INVERTER



Features

- Built-in MPPT solar charger.
- It supports both single-phase and three-phase induction motors, depending on the model.
- 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	2200 W (3 HP) (supports 0.75 ~ 3 HP water pump)
PV INPUT (DC)	
Nominal DC Voltage/Max. DC Voltage	540 / 800 VDC
Start-Up Voltage	250 VDC
MPPT Voltage Range	250 ~ 780 VDC
Maximum PV Current	6 A
Number of MPP Trackers	1
AC INPUT	
Input Voltage	N/A
Input Frequency	N/A
OUTPUT	
Nominal Voltage	3 x 380 / 400 / 415 / 440 VAC
Efficiency	> 97%
Nominal Output Current	5.0 A
Motor Type	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	
Dimensions, (D x W x H)	110 x 230 x 342 mm
Net Weight	5.5 kg
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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