

WATER PUMP

MasterPower
Unlimited power

Series Omega 15kW

WATER PUMP INVERTER



Features

- Built-in MPPT solar charger.
- 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	15000 W (20 HP)
PV INPUT (DC)	
Maximum DC Voltage	800 VDC
Start-Up Voltage	250 VDC
Recommended MPPT Voltage Range	500 ~ 600 VDC
Maximum PV Current	32 A
Number of MPP Trackers	1
OUTPUT	
Nominal Voltage	3 x 380 / 400 / 415 / 440 VAC
Efficiency	> 97%
Nominal Output Current	29 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)	205 x 218 x 320 mm
Net Weight	6 kg
Type of Mechanical Protection	IP20
INTERFACE	
Communication Port	RS-232 / RS-485
ENVIRONMENT	
Humidity	< 95% RH (No 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.



Paseo de Extremadura, 39 - 28935 Móstoles - Madrid (Spain)
Tel. +34 918 021 649 - Fax. +34 917 750 542
info@masterbattery.es - www.masterbattery.es/en

