

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 | 15000W (20HP) |
| PV INPUT (DC) | |
| Maximum DC Voltage | 800VDC |
| Start-Up Voltage | 250VDC |
| Recommended MPPT Voltage Range | 500 ~ 600VDC |
| Number of MPP Trackers | 1 |
| OUTPUT | |
| Nominal Voltage | 3 x 380/400/415/440VAC |
| Efficiency | > 97% |
| Nominal Output Current | 29A |
| 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 | |
| Dimension, D x W x H (mm) | 205 x 218 x 320 |
| Net Weight (kgs) | 6 |
| Type of Mechanical Protection | IP20 |
| INTERACE | |
| 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.



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