

| Omega X 5K-48 | Main Features | |
|---|--|---|
|  | <ul style="list-style-type: none">• Zero (0ms) transfer time to protect mission-critical loads such as servers and ATMs.• Removable LCD control module with multiple communications.• Built-in Bluetooth for mobile monitoring (Android App is available).• Supports USB On-the-Go function.• Reserved communication port for BMS (RS485, CAN-BUS or RS232).• Configurable AC/PV output usage timer and prioritization.• Pure sine wave solar inverter.• Selectable high power charging current.• Wide DC input range.• Compatible with mains voltage or generator power.• Auto restart while AC is recovering.• Overload and short circuit protection.• Smart Battery charger design to optimize the battery's performance.• Cold start function.• Optional parallel operation up to 9 units. | |
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| MODEL | Omega X 5K-48 |
|---------------------------------------|--|
| Rated Power | 5000 VA / 5000 W |
| Parallel Capability | Up to 9 units |
| INPUT | |
| Voltage | 230 VAC |
| Voltage Range | 110 - 280 VAC |
| Frequency Range | 50 / 60 Hz (Auto sensing) |
| OUTPUT | |
| AC Voltage Regulation | 230 VAC \pm 5% |
| Output THDv | \leq 3% for linear load, \leq 8% for non-linear load |
| Surge Power | 10000 VA for 5 sec |
| Efficiency (Peak) | 93% at Line Mode, 90% at Battery Mode |
| Transfer Time | 0 ms |
| Waveform | Pure sine wave |
| BATTERY | |
| Battery Voltage | 48 VDC |
| Floating Charge Voltage | 54 VDC |
| Overcharge Protection | 66 VDC |
| SOLAR CHARGER & AC CHARGER | |
| Solar Charger Type | MPPT |
| Maximum PV Array Open Circuit Voltage | 145 VDC |
| Maximum PV Array Power | 4000 W |
| MPPT Range @ Operating Voltage | 60 ~ 115 VDC |
| Maximum Solar Charge Current | 80 A |
| Maximum AC Charge Current | 60 A |
| Maximum Charge Current | 140 A |



| MODEL | Omega X 5K-48 |
|---------------------------|---|
| PHYSICAL | |
| Dimension, D x W x H (mm) | 140 x 303 x 525 |
| Net Weight (kg) | 13.5 |
| Communication Interface | USB / RS232 / RS485 / Bluetooth / Dry-contact |
| ENVIRONMENT | |
| Humidity | 5% to 95% Relative Humidity (Non-condensing) |
| Operating Temperature | 0°C to 55°C |
| Storage Temperature | -15°C to 60°C |

Product specifications are subject to change without further notice.

