

Omega Series **X-RACK 5K** OFF-GRID INVERTER

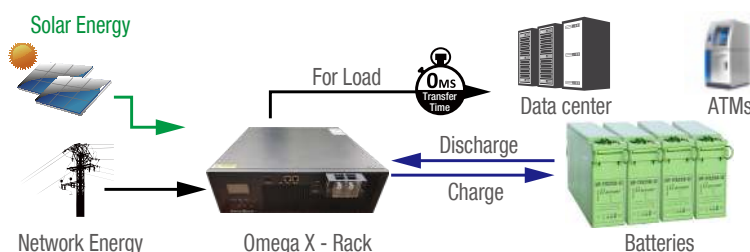


Features

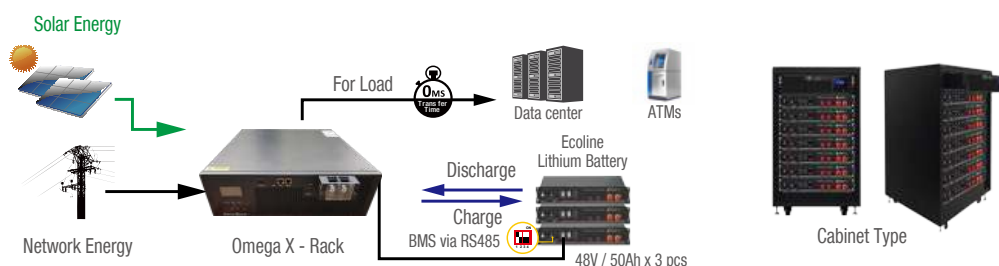
- Zero transfer time to protect mission-critical loads such as servers and ATM.
- Detachable LCD control module with multiple communications.
- Built-in Bluetooth for mobile monitoring (Android App is available).
- Integrated Wi-Fi function.
- Supports USB On-the-Go function.
- Reserved communication port for BMS (RS485, CAN-BUS or RS232).
- Optional parallel operation up to 9 units.

System Diagram

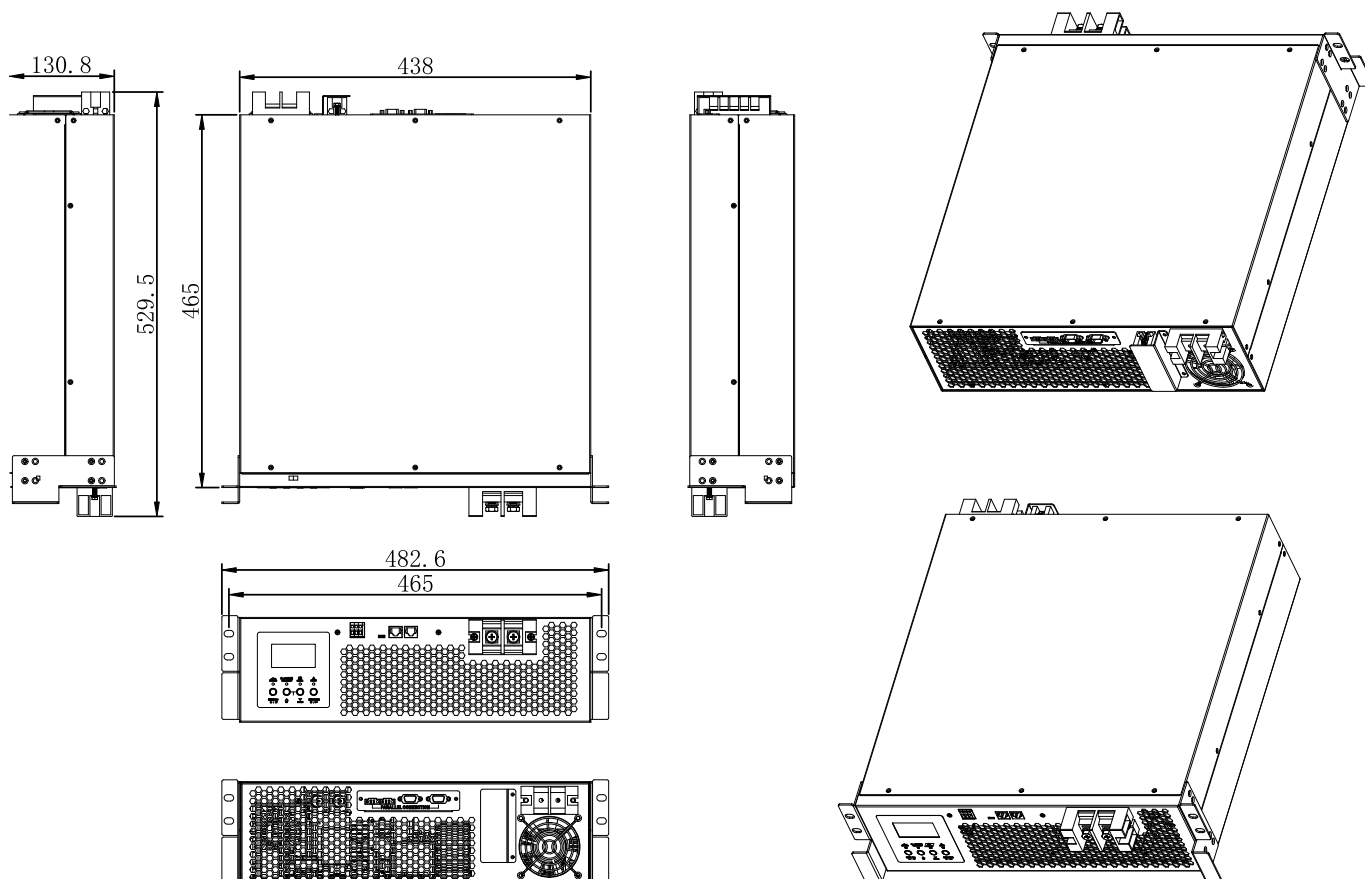
Operation with AGM battery



Operation with lithium battery supported by BMS Ecoline



Dimensions



Technical Specifications

Rated Power	5000 VA / 5000 W
Parallel Capability	Up to 9 units
INPUT	
Voltage	230 VAC
Voltage Range	110 - 280 VAC
Frequency Range	50 Hz / 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
No Load Consumption	40 W
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
PHYSICAL	
Dimension, (D x W x H)	140 x 303 x 525 mm
Net Weight	13.5 kg
Communication Interface	USB / RS232 / RS485 / Bluetooth / Dry-contact
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	0°C to 55°C
Storage Temperature	-15°C to 60°C
STANDARD	
Compliance Safety	UL

Product specifications are subject to change without further notice.