



MULTIMODE INVERTER EPS5000

PRODUCT DESCRIPTION

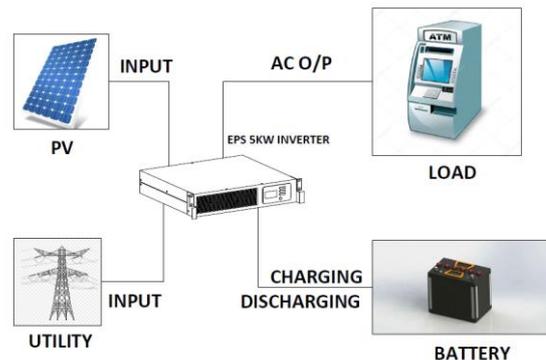
The EPS5000 multimode inverter module is designed and optimized for demanding power needs across different applications and industries. It can operate with both mains voltage and generator power and has the option to include the 80A MPPT solar charger for off grid PV application.

Integrating the inverter with PV panels and batteries, a stand-alone PV system for consumer power generation can be implemented.

The EPS5000 is designed to provide a cost effective, reliable and efficient solution generally for backup applications or off-grid commercial and consumer PV applications.

KEY FEATURES

- Provides a clean and quiet power solution**
 Suitable for commercial building and household
- 5kW module, expandable to 45kW**
 Flexible installations to meet specific requirements
- High Power Density**
 Reduces footprint
- Highly Efficient @ 93%**
 Reduces losses and lowers operating costs
- Selectable charging current**
 Selectable based on application needs
- Comprehensive LCD display**
 Ease of configuration and monitoring



TECHNICAL SPECIFICATIONS

MODEL		EPS5000
Capacity (kVA/kW)		5000VA / 5000W
AC INPUT (Option)		
Voltage		220/230/240Vac
Voltage Range		170-255Vac
Frequency Range		50Hz/60Hz (auto-sensing)
AC OUTPUT		
AC Voltage Regulation (Batt Mode)		220/230/240Vac \pm 5%
Surge Power for 5sec		10000VA
Efficiency (Peak)		93%
Transfer Time		< 10ms
Waveform (Batt Mode)		Pure Sine Wave
DC INPUT / BATTERY		
Battery Voltage		48Vdc
CC/CV Charge Voltage		56.4Vdc
Floating Charge Voltage		53.6Vdc
Overcharge Protection		60Vdc
AC CHARGER		
Maximum AC Charger Current		2.5 to 60A (Adjustable)
Charing Modes		3 steps for CC, CV and Floating
SOLAR CHARGER (option)		
Maximum PV Array Power		4000W
MPPT Range @ Operating Voltage		60Vdc to 115Vdc
Max PV Array Open Circuit Voltage		145Vdc
Max Solar Charge Current		80A
PARALLEL		
Maximum Paralle Units		Up to 9 units
Parallel Type		Single phase or Three phase
Transfer Time in Parallel Mode		< 40ms
PHYSICAL		
Unit Dimensions WxDxH (mm)		438 x 400 x 88 (2U)
Unit Net Weight (kg)		9.1
INTERFACE		
Communication		Modbus, RS-485
Dry Contact		Deliver signal to external device such as generator
OPERATING ENVIRONMENT		
Humidity		5% to 95% RH (non-condensing)
Operating Temperature		0°C to 40°C
Storage Temperature		-15°C to 60°C