

EITAI VM II Series

Off Grid Energy Storage Inverter

5.5KW

Battery Optional 1kW=1kVA Bluetooth



Product Snapshot

Model: 5.5KW

Nominal Voltage: 230VAC

Frequency Range: 50Hz/60Hz

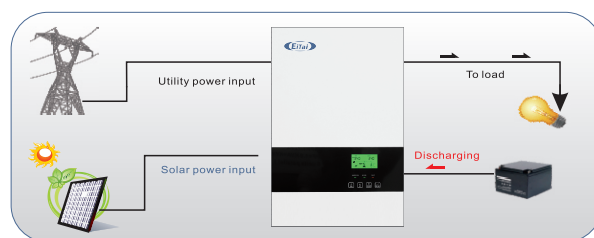
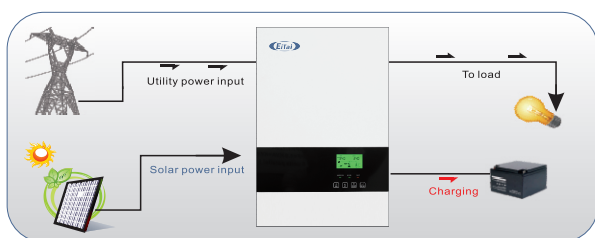
Key Features:

- Pure sine wave MPPT solar inverter
- High PV input voltage range
- Built-in 100A MPPT solar charger
- With Touch Buttons
- Built-in anti-dusk kit for harsh environment
- Support lithium iron battery
- Battery equalization function to optimize battery performance and extend lifecycle
- Reserved communication port (RS485, CAN-BUS or RS232) for BMS (Optional)

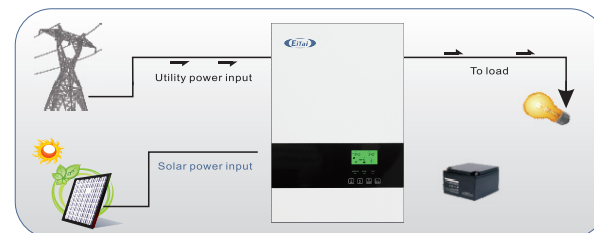
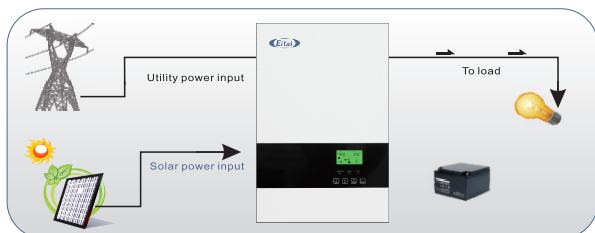


Hybrid Operation

With battery connected



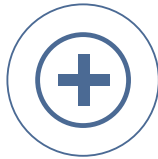
Without battery connected



Features



Discharge current limit protection



Impact protection



Over temperature protection



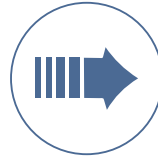
Low voltage protection



Overload protection



Short circuit protection



Overcurrent protection



High voltage protection

EITAI VM II Series

Wall Mounted Integrated Solar Inverter Technical Specification
Built-in MPPT Solar Controller

MODEL	EITAI VM II 5500-48
Rated Power	5500VA / 5500W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%
Surge Power	11000VA
Efficiency (Peak)	up to 93.5%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Array Power	5500 W
MPPT Range @ Operating Voltage	120~450 VDC
Maximum Solar Charge Current	100 A
Maximum AC Charge Current	80 A
Maximum Charge Current	100 A
PHYSICAL	
Dimension, D x W x H (mm)	503*302*120
Net Weight (kgs)	10.6
Communication Interface	USB/RS232
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

Note: Product specifications are subject to change without further notice.
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