

# EITAI VM II Pro Series

## Off Grid Energy Storage Inverter

### 3.5KW

Battery Optional 1kW=1kVA

Bluetooth



### Product Snapshot

Model: 3.5KW

Nominal Voltage: 230VAC

Frequency Range: 50Hz/60Hz

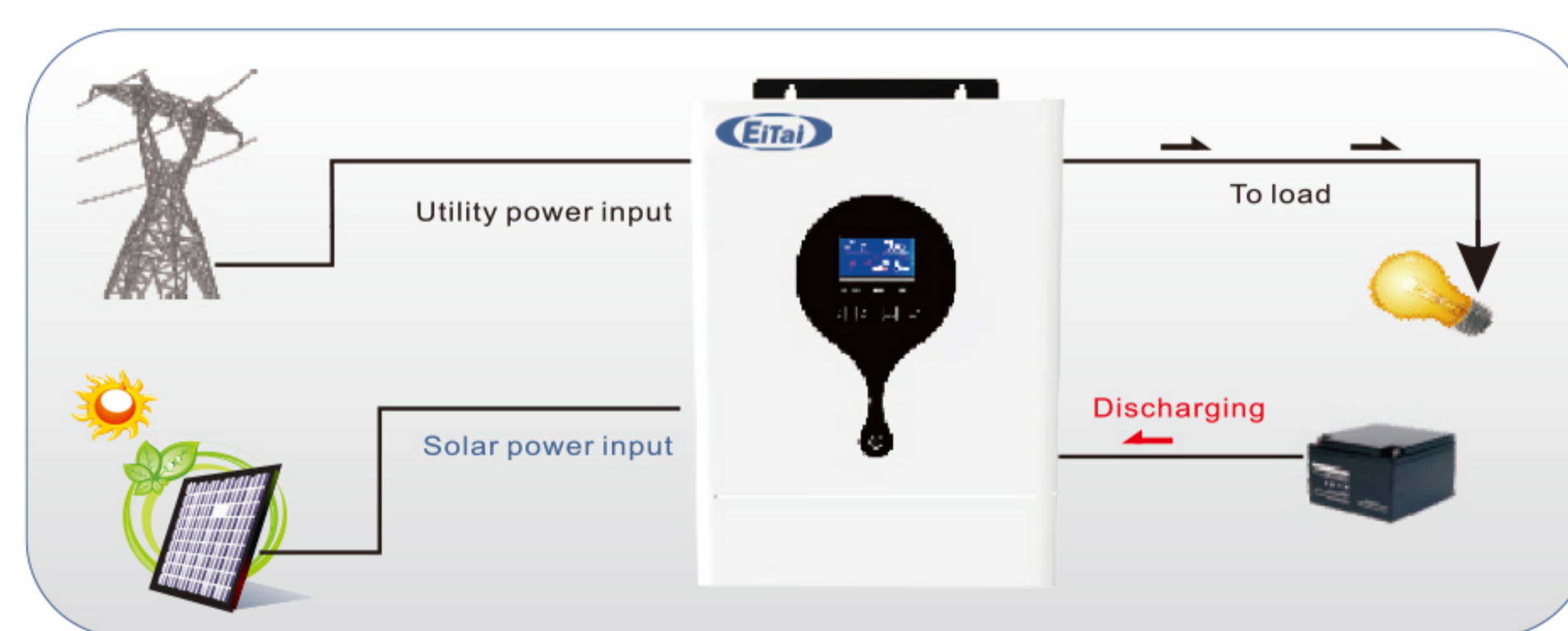
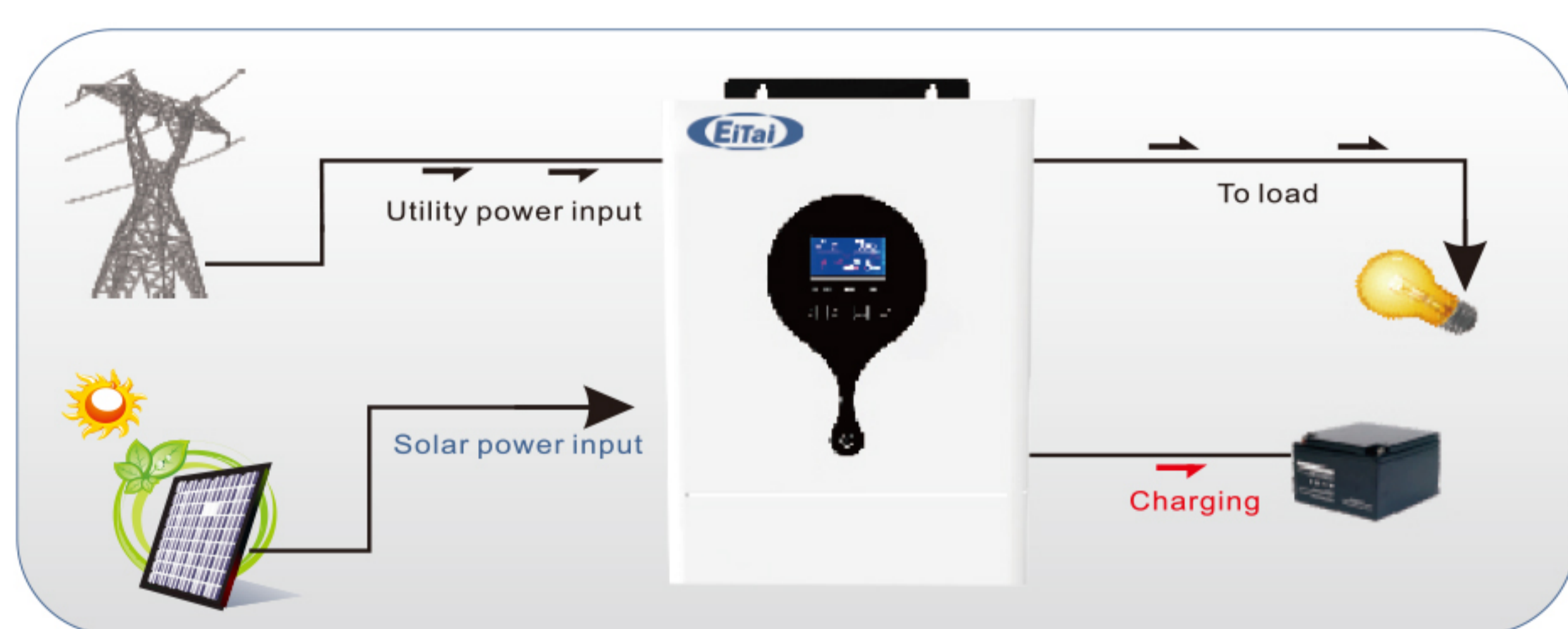


### Key Features:

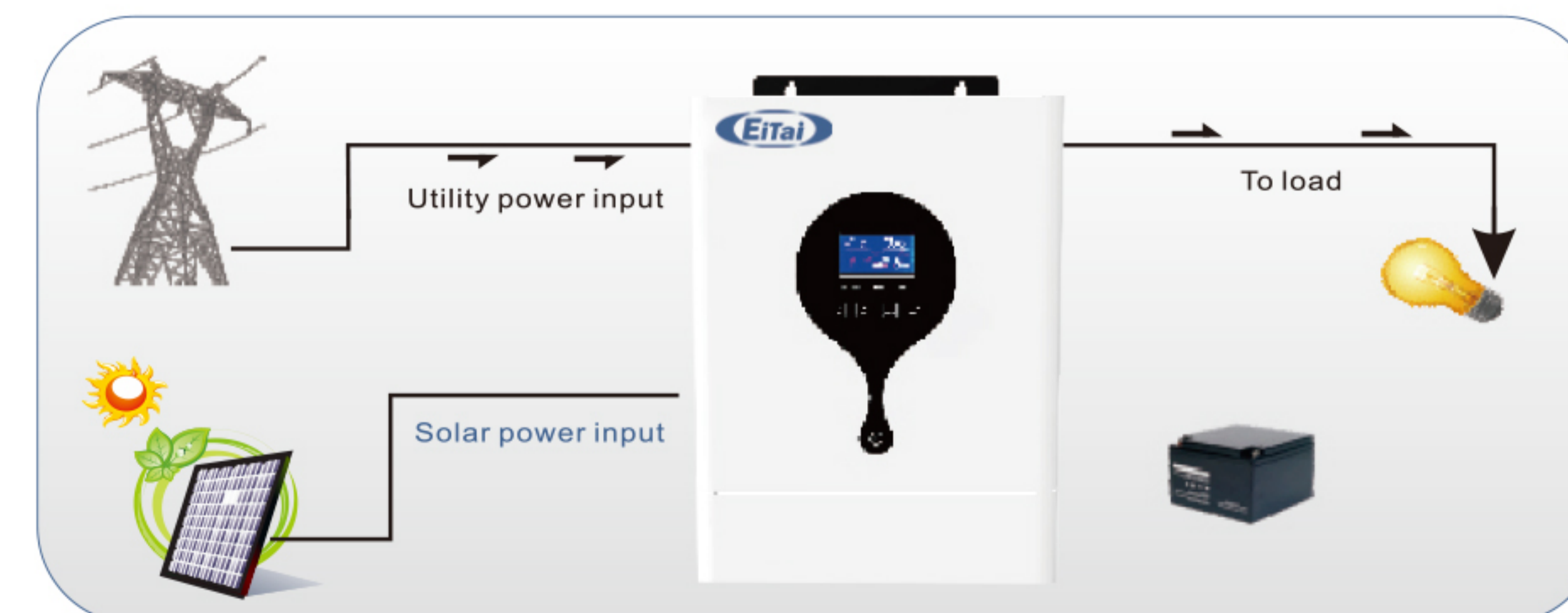
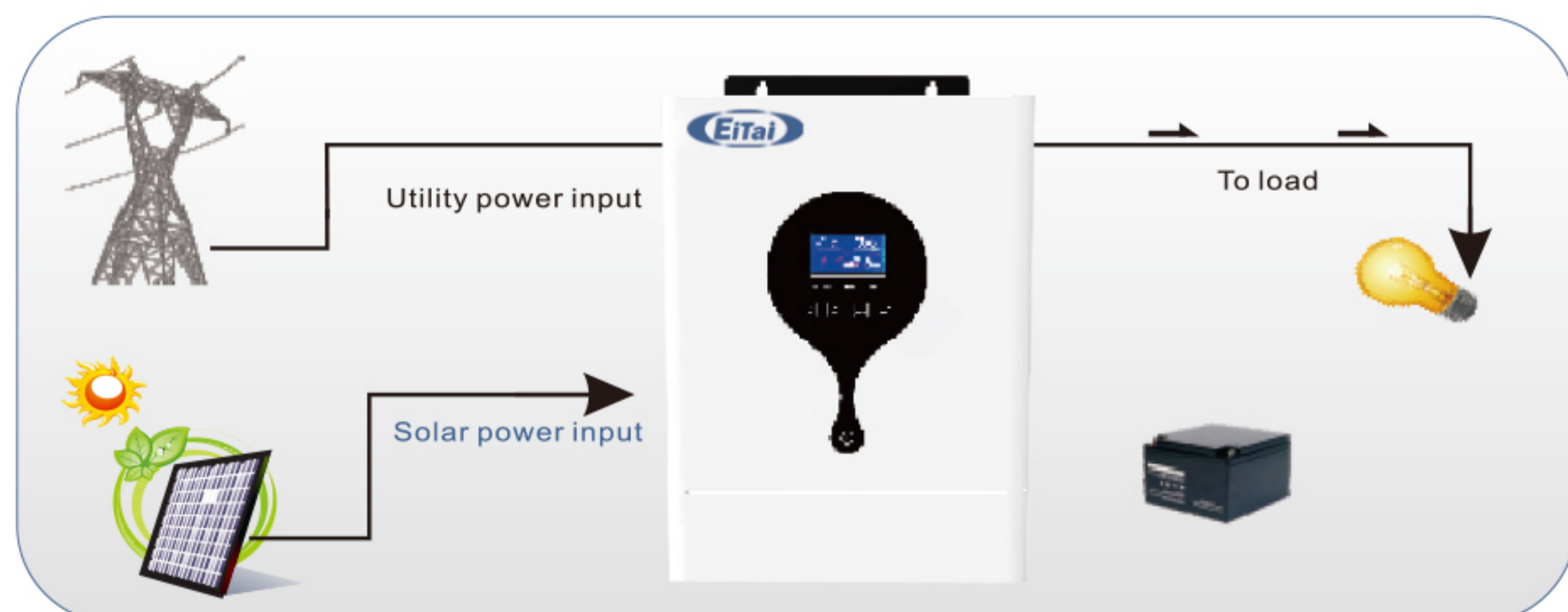
- Pure sine wave MPPT solar inverter
- High PV input voltage range
- Built-in 100A MPPT solar charger
- With Touch Buttons
- Built-in anti-dusk kit for harsh environment
- Support lithium iron battery
- Battery equalization function to optimize battery performance and extend lifecycle
- Reserved communication 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 Pro Series

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

MODEL	EITAI VM II Pro 3500-24
Rated Power	3500VA / 3500W
<b>INPUT</b>	
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)
<b>OUTPUT</b>	
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%
Surge Power	7000VA
Efficiency (Peak)	up to 93.5%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave
<b>BATTERY</b>	
Battery Voltage	24 VDC
Floating Charge Voltage	27 VDC
Overcharge Protection	33 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Array Power	4500 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
<b>PHYSICAL</b>	
Dimension, D x W x H (mm)	400*300*115
Net Weight (kgs)	8.5
Communication Interface	USB/RS232
<b>ENVIRONMENT</b>	
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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