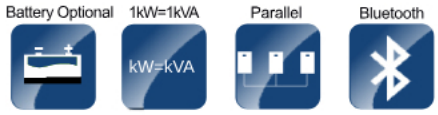
ECO-ICM

Off Grid Energy Storage Inverter

3.5-5.5KVA





Product Snapshot

Model: 3.5KW/5.5KW

Nominal Voltage: 230VAC

Frequency Range: 50Hz/60Hz

Anti-Dust Kit:

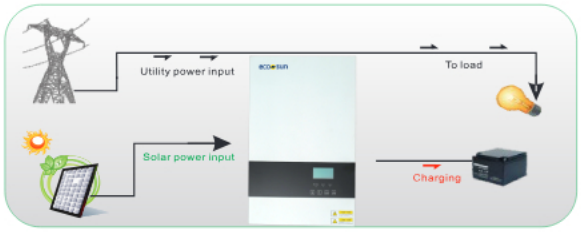
After installing this anti-dust kit, inverter will automatically detect this kit and activate internal thermal sensor to adjust internal temperature. By virtue of the dustproof design, it dramatically increases product reliability in harsh environment.

Key Features:

- Pure sine wave solar inverter
- Output power factor 1
- Parallel operation up to 9 units
- High PV input voltage range
- Battery independent design
- Built-in 100A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dusk kit for harsh environment

Hybrid Operation

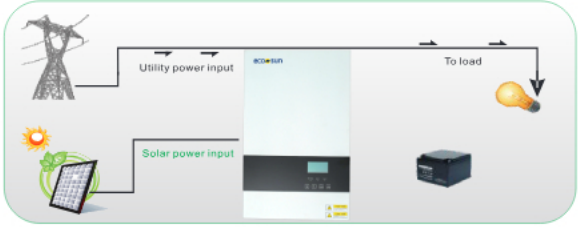
With battery connected



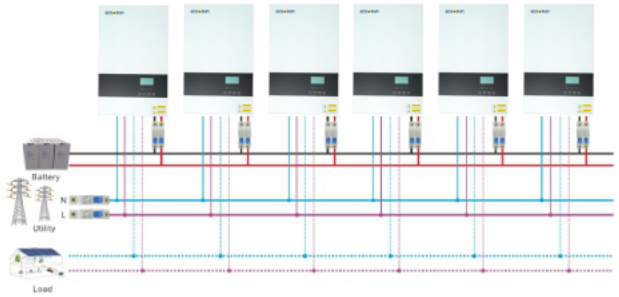


Without battery connected

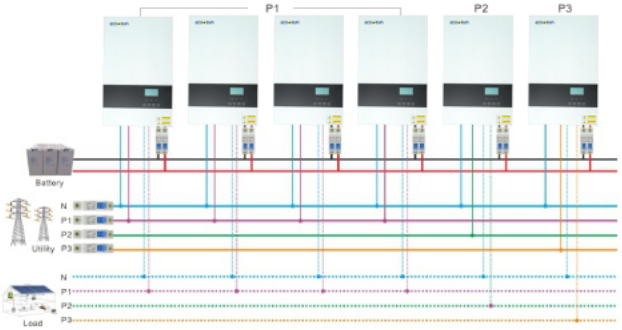




■Single phase output up to 49.5KW using 9 units



■ Three phase output using either 3 units(16.5KW)or max 9 units(49.5KW)



ECO-ICM

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

MODEL	ECO-ICM 3500W 24V
Rated Power	3500VA / 3500W
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	
ACVoltage 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
BATTERY	
Battery Voltage	24 VDC
Floating Charge Voltage	27 VDC
Overcharge Protection	33 VDC
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Open Circuit Voltage	450 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)	480*302*120
Net Weight (kgs)	9
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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