

Sunteny ECO series

High Frequency Hybrid Inverter

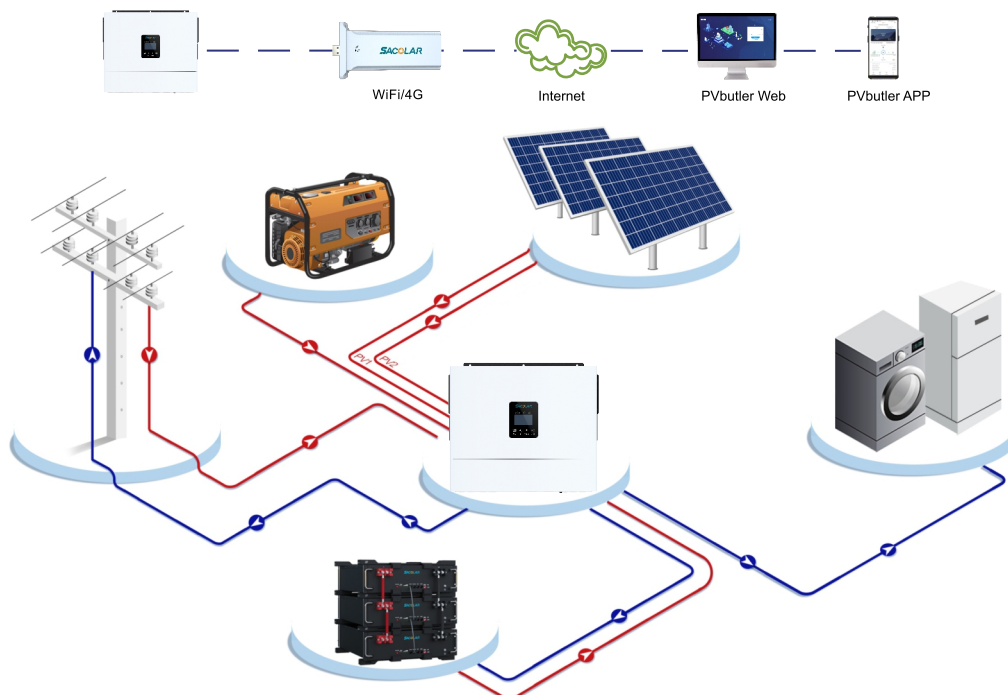


Main Features



- Rated power 12KW, power factor 1.0.
- 2 strings of MPPT, Max.PV array power 12000watt.
- MPPT Voltage range 120VDC-480VDC, 550Voc.
- Built-in ATS for automatic grid and generator switching.
- Built-in anti-dust kit for harsh environment.
- Parallel operation up to 9 units.
- WiFi/4G remote monitoring (optional).
- Able to work with or without battery.
- Dual outputs for smart load management.
- With grid tied function.

Connect System



Model	E12000H-48
Rated Power	12KW
System DC Voltage	48VDC
Parallel Option	Yes, up to 9 units
Remote monitoring	WiFi/4G (optional)
Inverter Output	
AC Voltage	208V-220V-230V-240VAC
Surge Power	24000VA
Peak Efficiency	94%
Transfer Time	10ms(For Personal Computers); 20ms(For Home Appliances)
Waveform	Pure Sine Wave
Self Consumption	< 80watt
Output Data(Grid)	
AC nominal power	12000W
Max.AC apparent power	12000VA
Nominal AC voltage(range*)	230V Single phase
AC grid frequency(range*)	50Hz/60Hz
Max.output current	52.2A
Adjustable power factor	0.8 leading.....0.8 lagging
THD	<5%
AC grid connection type	Single phase
Solar Charger	
Max.PV Array Open Circuit Voltage	550VDC
Max.PV Input Current/ Per String	27A/27A
Number of PV Array Input	2 Strings
Max.PV Array Power	Each String:7500 watt; Total 15000 watt
Operating Voltage MPPT Range	120~480VDC
Battery Overcharge Protection	60VDC
Max.Solar Charge Current	250A
AC Charger (Grid/Generator)	
Max.Grid Charge Current	250A
Max.(AC+PC) Charge Current	250A
Frequency Range	50Hz/ 60Hz (Auto sensing)
Protection	Overload, Short circuit, Overcurrent, Overvoltage, Undervoltage, Over-Frequency, Under-Frequency, Overheat, Lightning, Surge Power, Anti-islanding protection, Residual-current monitoring unit, Insulation resistance monitoring
Physical	
Dimension	550*465*150mm
Net Weight	TBD
"Communication Interface"	CAN/RS485/USB
Operating Environment	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Altitude	<2000m
Operating Temperature	-10°C~50°C
Storage Temperature	-15°C~60°C
Noise	<60db
Certificate	CE, IEC62109-1,IEC62109-2, UKCA, NRS097