

Sunteny ECO series

High Frequency Hybrid Inverter

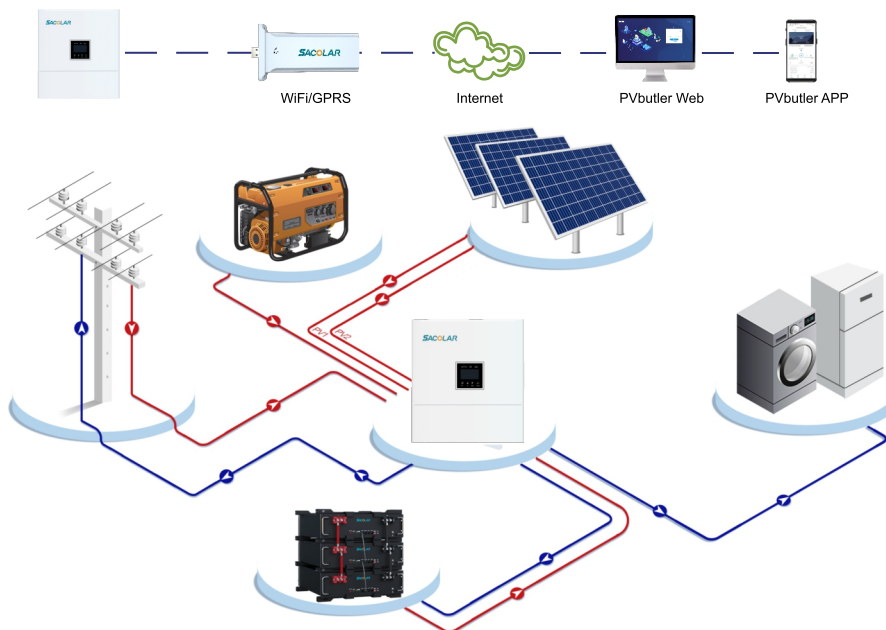


Main Features



- Rated Power: 3.5kW & 6kW.
- MPPT Working Range: 120-450Vdc, 500Voc.
- Settable Charging Current & Charging Time for Generator and Grid.
- With internal ATS for Switching Between Grid and Generator.
- Low Noise, Low self power consumption, High efficiency.
- With Dual Outputs for Smart Load Management(only for 6kw model).
- Neutral-Grounding bonded/seperate settable.
- Parallel Operation up to 9 Units(only for 6kw Model).
- WiFi-X2/GPRS Remote Monitoring (Optional).
- With grid-tied function for grid peak shaving.

Connect System



Model	E3500H-24	E6000H-48
Battery Nominal Voltage	24Vdc	48Vdc
Battery Voltage Range	20~32Vdc	40~60Vdc
Battery Overcharge Protection	32Vdc	60Vdc
Parallel Option	NO	Yes, up to 9 units
Remote monitoring	WiFi-X2/GPRS (optional)	
Inverter Output		
Rated Power	3500VA /3500W	6000VA /6000W
Surge Power	7000VA	12000VA
AC Output Voltage	208V-220V-230V-240Vac	
DC/AC Peak Efficiency	95%	
Transfer Time	10ms(For Personal Computers), 20ms(For Home Appliances)	
Waveform	Pure Sine Wave	
Self Consumption	<18watt @power save mode <30watt @regular mode	<25watt @power save mode <35watt @regular mode
Solar Charger		
Max.PV Array Open Circuit Voltage	500Vdc	
Max.PV Input Current/ Per String	22A	16A/16A
Number of PV Array Input	1 String	2 String
Max.PV Array Power	4000watt	Each String:4000watt; Total 8000watt
Operating Voltage MPPT Range	120~450Vdc	
Max.Solar Charge Current	100A	
AC Charger (Grid/Generator)		
Max.Grid Charge Current	80A	
Max.(AC+PC) Charge Current	100A	
AC Normal Voltage	230Vac	
AC Input Voltage Range	90-280V@APL Mode, 170-280V@UPS Mode	
Frequency Range	50Hz/ 60Hz (Auto sensing)	
Protection	Overload, Short circuit, Overcurrent, Overvoltage, Undervoltage, Over-Frequency, Under-Frequency, Overheat, Lightning, Surge Power	
Physical		
Dimension	430*370*125mm	460*422*125mm
Net Weight	10.5kg	13.5kg
Communication Interface	CAN/RS485/USB	
Operating Environment		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Altitude	<2000m	
Operating Temperature	-20°C~50°C	
Storage Temperature	-20°C~60°C	
Noise	<55db	
Certificate	CE, IEC62109-1,IEC62109-2, UKCA, NRS 097	