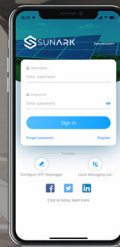


OFF GRID SOLAR INVERTER

SunPilot ECO

- Pure sine wave inverter
- Programmable supply priority for PV, battery or Grid
- High PV input voltage range(55-450VDC)
- Built-in Max 110A(3.8KW & 6.2KW) MPPT solar charge
- Compatible with lithium-ion battery
- Support BMS communication with Lithium battery
- Smart battery charge design to optimize battery life
- Overload, high temperature, inverter output short circuit protection
- Cold start function
- Intelligent fan speed adjustment
- Built-in anti-dusk kit for harsh enviromen(optional)
- WIFI & GPRS available for IOS and android.



Max PV Input



Max PV Voltage 450VDC



Max PV Input Current 27A



MPPT Range 55~450VDC



WIFI & GPRS



MPPT Controller



12/24/48 Volt



Works with Lithium battery



AC Output

BMS

BMS



Max Charging Current 80/110A



Monitor & Control (Optional)



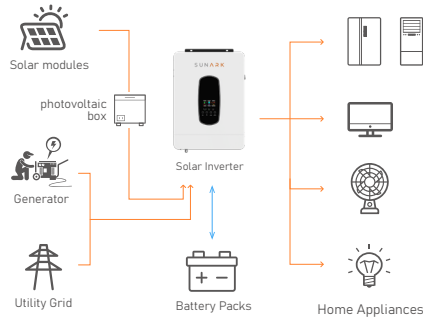
Communication Port RS232/RS485



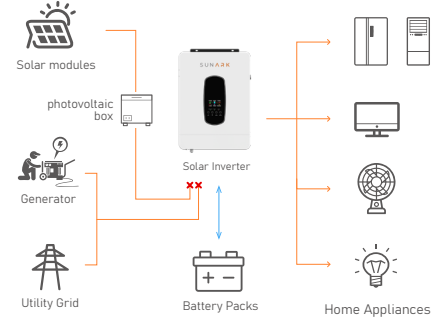
Pure Sine Wave

Solar System Connection

· Operation with battery connected
Solar Power and AC Power available



· Solar Power and AC Power not available



Model	SunPilot ECO-2200	SunPilot ECO-3200	SunPilot ECO-4200	SunPilot ECO-4200	SunPilot ECO-7000
Rated Power	2200VA/1800W	3200VA/3000W	4200VA/3800W	4200VA/3800W	7000VA/6200W
INPUT					
Voltage	230VAC				
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)				
Frequency Range	50Hz/60Hz(Auto sensing)				
OUTPUT					
AC Voltage Regulation (Batt.Mode)	230VAC+5%				
Surge power	4400VA	6400VA	8400VA	8400VA	14000VA
Transfer Time	10ms(for personal computers) 20ms(for home appliances)				
Waveform	Pure Sine Wave				
BATTERY & AC CHARGER					
Battery Voltage	12VDC	24VDC	24VDC	48VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	54VDC	54VDC
Over charge Protection	15.5VDC	31VDC	31VDC	61VDC	61VDC
Maximum charge current	60A		80A	60A	80A
SOLAR CHARGER					
MAX.PV Array Power	2000W	3000W	6000W		
MPPT Range @ Operating Voltage	55-450VDC				
Maximum PV Array Open Circuit Voltage	450VDC				
Maximum Charging Current	80A	110A	80A	110A	
Maximum Efficiency	98%				
PHYSICAL					
Dimension.D*W*H(mm)	405*286*98mm		423*290*100mm	423*290*105mm	
Net Weight(kgs)	4.5kg	5.0kg	6.8kg	6.9kg	7.5kg
Communication Interface	RS232/RS485(Standard) WIFI(Optional)				
OPERATING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity(Non-condensing)				
Operating Temperature	-10°C to 55°C				
Storage Temperature	-15°C to 60°C				