



HYBRID SOLAR INVERTER (EVO SERIES)

Features of Module

- Pure sine wave solar inverter
- Self-consumption and feed-in to the grid.
- Inverter running without battery.
- One-key restoration to factory settings.
- Built-in lithium battery automatic activation.
- Built-in 160A MPPT solar controller (for 8.2KW,10.2KW), 140A(for 7.2KW)
- High PV input voltage range(90-450VDC).
- Built-in anti-dusk kit for harsh environment.
- Smart battery charge design to optimize battery life.
- Dual output
- Touch button
- WIFI available for IOS and Android.



AN-SCI-EVO-7200 AN-SCI-EVO-8200 AN-SCI-EVO-10200



RGB LIGHT

RGB lighting for different working modes
RGB automatically switches under different working modes of inverter:
Battery mode: red;
Utility mode: blue;
PV mode: purple;



LCD Display



WIFI&GPRS Available for IOS and Android



Model	AN-SCI-EVO-7200	AN-SCI-EVO-8200	AN-SCI-EVO-10200
RATED POWER	7200W	8200W	10200W
Maximum PV Input Power	7500W	8200W	10800W
GRID-TIE OPERATION			
PV INPUT (DC)			
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC		
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC		
Maximum DC Voltage	90-450VDC		
Number of MPPT Trackers/Maximum Input Current	1/27A		2/18A
GRID OUTPUT (AC)			
Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	195.5-253VAC		
Nominal Output Current	31.3A	35.6A	44.3A
Power Factor	>0.99		
Feed-in Grid Frequency Range	49-51±1Hz/59-61±1Hz		
EFFICIENCY			
Maximum Conversion Efficiency(Solar to AC)	98%		
TWO-LOAD OUTPUT POWER			
Full Load	7200W	8200W	10200W
Maximum Main Load	7200W	8200W	10200W
Maximum Second Load(battery mode)	2400W	2733W	3400W
Main Load Cut-Off Voltage	44VDC	44VDC	44VDC
Main Load Return Voltage	48VDC	48VDC	48VDC
OFF-GRID OPERATION			
AC INPUT			
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC		
Acceptable Input Voltage Range	90-280VAC or 170-280VAC		
Maximum AC Input Current	40A	40A	50A
Nominal Operating Frequency	50/60Hz		
Surge Power	14400W	16400W	20400W
BATTERY MODE OUTPUT(AC)			
Nominal Output Voltage	220/230/240VAC		
Output Waveform	Pure Sine Wave		
Efficiency(DC to AC)	94%		
BATTERY & CHARGER			
Nominal DC Voltage	48VDC	48VDC	48VDC
Maximum Charging Current(Solar to AC)	140A	160A	160A
Maximum AC Charging Current	120A	140A	160A
GENERAL PHYSICAL			
Dimension, D x W x H (mm)	500*390*130mm	500*390*130mm	530*390*130mm
Net Weight (kgs)	14.2kg	14.2kg	14.5kg
INTERFACE			
Communication Interface	WIFI		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	-10°C - 50°C		
Storage Temperature	-15°C - 60°C		