

HYBRID SOLAR INVERTER (EVO SERIES)



AN-SCI-EVO-4200



AN-SCI-EVO-6200

Features of Module

- Pure sine wave solar inverter
- Inverter running without battery
- One-key restoration to factory settings
- Built-in Lithium battery automatic activation
- Built-in 120A MPPT solar controller
- Max 6200W(for 4.2KW) & 6500W(for 6.2KW) solar charge
- High PV input voltage range(60-450VDC)
- Built in anti-dusk kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output
- WIFI available for IOS and Android

Model	AN-SCI-EVO-4200	AN-SCI-EVO-6200
RATED POWER	4200W	6200W
Maximum PV Input Power	6200W	6500W
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	60-450VDC	
Number of MPPT Trackers/Maximum Input Current	1/27A	
GRID OUTPUT (AC)		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	195.5-253VAC	
Nominal Output Current	15.7A	27.0A
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	4200W	6200W
Maximum Main Load	4200W	6200W
Maximum Second Load(battery mode)	1400W	2067W
Main Load Cut-Off Voltage	22VDC	44VDC
Main Load Return Voltage	26VDC	52VDC
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	30A	40A
Nominal Operating Frequency	50/60Hz	
Surge Power	8400W	12400W
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	24VDC	48VDC
Maximum Charging Current(Solar to AC)	120A	
Maximum AC Charging Current	100A	
GENERAL PHYSICAL		
Dimension, D x W x H (mm)	420*350*110mm	450*350*110mm
Net Weight (kgs)	9	10
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	