

**Specification & Price List for
Off-Grid Solar Inverter (SCI-EVO-4200 & 6200 & 10200 series)-Jul-2025**

Key Features:

- ◆ Pure Sine Wave Solar Inverter;
- ◆ Be able to run without battery;
- ◆ One-key restoring to factory default settings;
- ◆ With function of Lithium battery automatic activation by PV;
- ◆ Built-in MPPT solar controller, max charge current 160A;
- ◆ Max 6200W & 6500W solar input power respectively;
- ◆ Wide PV input voltage range 4200W/6200W(60-450VDC), 10200W(90-450VDC)
- ◆ Built-in anti-dusk kit for harsh environment.
- ◆ Smart battery charge design to maximize battery lifespan
- ◆ Dual MPPT PV Input (for 10200W), dual AC output;
- ◆ WIFI available for IOS and Android systems.



Model	SCI-EVO-4200	SCI-EVO-6200	SCI-EVO-10200
RATED POWER	4200W	6200W	10200W
Maximum PV Input Power	6200W	6500W	10800W
GRID-TIED OPERATION			
PV INPUT (DC)			
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC		
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC		
MPPT DC Voltage Range	60-450VDC		90-450VDC
Number of MPPT Trackers/Maximum Input Current	18A	22A	2/18A
GRID OUTPUT (AC)			
Nominal AC Output Voltage	220/230/240VAC		
AC Output Voltage Range	195.5-253VAC		
Nominal AC Output Current	18.2A	27.0A	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 LOADS OUTPUT POWER			
Full Load	4200W	6200W	10200W
Maximum Main Load	4200W	6200W	10200W
Maximum Second Load (battery mode)	1400W	2067W	3400W
Main Load Cut Off Voltage	22VDC	44VDC	44VDC
Main Load Return Voltage	26VDC	52VDC	48VDC
OFF-GRID OPERATION			
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC		
Acceptable AC Input Voltage Range	90-280VAC or 170-280VAC		
Maximum AC Input Current	30A	40A	50A
Nominal Operating Frequency	50/60Hz		
Surge Power	8400W	12400W	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	24VDC	48VDC	48VDC
Maximum Charging Current(Solar to AC)	120A		160A
Maximum AC Charging Current	100A		160A
GENERAL			
Dimension, D x W x H (mm)	420*350*110mm	450*350*110mm	530*390*130mm
Net Weight (kgs)	9	10	14.5kg
Communication interface	WIFI		
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	-10°C - 50°C		
Storage Temperature	-15°C - 60°C		
EXW Unit Price : MOQ: 10~100pcs	\$133.10	\$156.34	\$287.32
EXW Unit Price : MOQ: >100pcs	\$130.28	\$152.82	\$281.69
WIFI Monitoring Module Unit Price	\$15.49		

Terms & Conditions:

- Price based on EXW (Shipping port: Guangzhou or Shenzhen China). For samples less than 10pcs, price increased by 5%.
- Payment method: for samples, full by T/T in advance; for normal order, 30% deposit by TT in advance, balance by TT before shipment or upon BL copy. The L/C is acceptable for big order.
- Lead time: 5~30 days for normal order depending on specific order quantity.
- Package: Carton with protective foam inside suitable for tough handling and ocean/air shipment.
- Warranty: 1 years