

## Specification & Price List for Hybrid Inverter with inbuilt MPPT Controller (SCI-EVO-3600 & 6200 series)

### Key Features:

- ◆ Compatible for both off-grid & on-grid applications, able to feed surplus solar power into the grid;
- ◆ Be able to run without battery;
- ◆ One-key restoring to factory default settings;
- ◆ Built-in Lithium battery automatic activation;
- ◆ Built-in MPPT solar controller, max charge current 120A;
- ◆ Max 6200W & 6500W solar input power respectively;
- ◆ Wide PV input voltage range (90-450VDC);
- ◆ Built-in anti-dusk kit for harsh environment.
- ◆ Smart battery charge design to maximize battery lifespan
- ◆ Dual AC output;
- ◆ WIFI available for IOS and Android systems.



Model	SCI-EVO-3600	SCI-EVO-6200
<b>RATED POWER</b>	3600W	6200W
<b>Maximum PV Input Power</b>	6200W	6500W
<b>GRID-TIED OPERATION</b>		
<b>PV INPUT (DC)</b>		
<b>Nominal DC Voltage/Maximum DC Voltage</b>	360VDC/500VDC	
<b>Start-up Voltage/Initial Feeding Voltage</b>	90VDC/120VDC	
<b>MPPT DC Voltage Range</b>	90-450VDC	
<b>Number of MPPT Trackers/Maximum Input Current</b>	1/27A	
<b>GRID OUTPUT (AC)</b>		
<b>Nominal AC Output Voltage</b>	220/230/240VAC	
<b>AC Output Voltage Range</b>	195.5-253VAC	
<b>Nominal AC Output Current</b>	15.7A	27.0A
<b>Power Factor</b>	>0.99	
<b>Feed-in Grid Frequency Range</b>	49-51±1Hz / 59-61±1Hz	
<b>EFFICIENCY</b>		
<b>Maximum Conversion Efficiency (Solar to AC)</b>	98%	
<b>TWO LOADS OUTPUT POWER</b>		
<b>Full Load</b>	3600W	6200W
<b>Maximum Main Load</b>	3600W	6200W
<b>Maximum Second Load (battery mode)</b>	1200W	2067W
<b>Main Load Cut Off Voltage</b>	22VDC	44VDC
<b>Main Load Return Voltage</b>	26VDC	52VDC
<b>OFF-GRID OPERATION</b>		
<b>AC Start-up Voltage/Auto Restart Voltage</b>	120-140VAC/180VAC	
<b>Acceptable AC Input Voltage Range</b>	90-280VAC or 170-280VAC	
<b>Maximum AC Input Current</b>	30A	40A
<b>Nominal Operating Frequency</b>	50/60Hz	



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Surge Power	7200W	12400W
<b>BATTERY MODE OUTPUT (AC)</b>		
Nominal Output Voltage	220/230/240VAC	
Output Waveform	Pure sine wave	
Efficiency (DC to AC)	94%	
<b>BATTERY &amp; CHARGER</b>		
Nominal DC Voltage	24VDC	48VDC
Maximum Charging Current(Solar to AC)	120A	
Maximum AC Charging Current	100A	
<b>GENERAL</b>		
Dimension, D x W x H (mm)	420*350*110mm	450*350*110mm
Net Weight (kgs)	9	10
Communication interface	WIFI	
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C - 50°C	
Storage Temperature	-15°C - 60°C	
Waranty	2 Years	