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Specification & Price List for Hybrid Inverter with inbuilt MPPT Controller (SCI-EVO-2000 & 3200 series)

Key Features:

- ◆ Pure Sine Wave Solar Hybrid Inverter;
- ◆ Output Power Factor 1.0
- ◆ Built-in MPPT solar controller, max charge current 80A;
- ◆ Max 2000W & 3000W solar input power respectively;
- ◆ Wide PV input voltage range (30-400VDC), lowest voltage only 30V;
- ◆ Built-in anti-dusk kit for harsh environment;
- ◆ Smart battery charge design to maximize battery lifespan;
- ◆ Compatibe with lithium battery;
- ◆ WIFI available for IOS and Android systems.



Model	SCI-EVO-2000	SCI-EVO-3200
RATED POWER	2000VA/1600W	3200VA/3000W
AC INPUT		
AC Input Voltage	230VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers)	
	90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
AC OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Surge Power	4000VA	6400VA
Efficiency (Peak) PV to Inverter	98%	
Efficiency (Peak) Battery to Inverter	94%	
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY & AC CHARGER		
Battery Voltage	12VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC
Overcharge Protection	16VDC	33VDC
Maximum AC Charge Current	60A	
SOLAR CHARGER		
Maximum PV Array Power	2000W	3000W
MPPT Range @ Operating Voltage	30-400VDC	
Maximum PV Array Open Circuit Voltage	400VDC	
Maximum Charging Current	80A	
PHYSICAL		
Dimension, D x W x H (mm)	360*270*100mm	390*270*100mm
Net Weight (kg)	4.4	5.4
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	
EXW Unit Price : MOQ: 10-100pcs	\$107.22	\$112.50
EXW Unit Price : MOQ: >100pcs	\$104.17	\$108.33
EXW Unit Price : MOQ: 20GP/40HQ	\$99.31	\$106.25
WIFI Monitoring Module Unit Price	\$16.67	

Terms & Conditions:

1. Price based on EXW (Shipping port: Guangzhou or Shenzhen China). For samples less than 10pcs, price increased by 5%.
2. Payment method: for samples, full by T/T in advance; for normal order, 30% deposit by TT in advance, balance by TT before shipment. The L/C is acceptable for big order.
3. Lead time: 5~30 days for normal order depending on specific order quantity.
4. Package: Carton with protective foam inside suitable for tough handling and ocean/air shipment.
5. Warranty: 2 years

Specification & Price List for Hybrid Inverter with inbuilt MPPT Controller (SCI-EVO-4200 & 6200 series)
Key Features:

- ◆ Pure Sine Wave Solar Hybrid 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 120A;
- ◆ Max 6200W & 6500W solar input power respectively;
- ◆ Wide PV input voltage range (60-450VDC);
- ◆ 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-4200	SCI-EVO-6200
RATED POWER	4200W	6200W
Maximum PV Input Power	6200W	6500W
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	
Number of MPPT Trackers/Maximum Input Current	18A	22A
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
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
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 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
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		
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	
EXW Unit Price : MOQ: 10~100pcs	\$155.56	\$178.47
EXW Unit Price : MOQ: >100pcs	\$151.39	\$172.22
EXW Unit Price : MOQ: 20GP/40HQ	\$148.61	\$168.06
WIFI Monitoring Module Unit Price	\$16.67	

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3. Lead time: 5~30 days for normal order depending on specific order quantity.
4. Package: Carton with protective foam inside suitable for tough handling and ocean/air shipment.
5. Warranty: 2 years

Specification & Price List for Hybrid Inverter with inbuilt MPPT Controller (SCI-EVO-7200/8200/10200 series)

Key Features:

- ◆ Pure Sine Wave Solar Hybrid 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 160A MPPT solar controller(for 10.2KW), 140A(for 7.2KW);
- ◆ Max 7500W & 10800W 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 PV Input & AC output;
- ◆ WIFI available for IOS and Android systems.



Model	SCI-EVO-7200	SCI-EVO-8200	SCI-EVO-10200
RATED POWER	7200W	8200W	10200W
Maximum PV Input Power	7500W	8200W	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	90-450VDC		
Number of MPPT Trackers/Maximum Input Current	1/27A	1/27A	2/18A
GRID OUTPUT (AC)			
Nominal AC Output Voltage	220/230/240VAC		
AC Output Voltage Range	195.5-253VAC		
Nominal AC 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 LOADS 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 Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC		
Acceptable AC 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			
Dimension, D x W x H (mm)	500*390*130mm	500*390*130mm	530*390*130mm
Net Weight (kgs)	13.1kg	13.1kg	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	\$284.72	\$313.89	\$345.83
EXW Unit Price : MOQ: >100pcs	\$275.00	\$302.78	\$331.94
EXW Unit Price : MOQ: 20GP/40HQ	\$269.44	\$297.22	\$326.39
WIFI Monitoring Module Unit Price	\$16.67		

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