

# GRID HYBRID SOLAR INVERTER

## SCI SERIES



### Features:

- Professional off grid solar system solution, which is a combination of big power inverter and solar controller
- Working modes switche automatically– AC Grid bypass mode ,Inverter mode, AC charging mode, solar charging mode
- Pure sine wave output which matches wave form of AC grid no matter it on AC grid mode or Invert Mode; workable on inductive load
- Remote control &RS232 communication port
- Power Saver mode
- Four stages smart charging,Charging current adjusted automatically
- DIP switch optional: Selectable charging voltage for various battery type
- Manual control input&output breakers
- AC Grid priority& battery priority working mode are selectable.
- AC grid mode: AC Bypass supplies load when AC is normal, battery invert AC supplies load when AC is off.
- Battery priority: Battery invert supplies load when battery get full-charged; AC bypass supplies load when battery low and at the meantime battery get charged from solar controller. It transfers back to battery invert mode when battery get full charged. It makes full use of solar energy and saves electricity



### Grid Hybrid Solar Inverter

Model No.	SCI 500	SCI 1000	SCI 1500	SCI 2000	SCI 3000	SCI 4000	SCI 5000	SCI 6000
Nominal Power	500W	1000W	1500W	2000W	3000W	4000W	5000W	6000W
<b>AC Input</b>								
Phase & waveform	Single phase & sinewave							
Voltage	100Vac/120Vac/220Vac /230 Vac/240 Vac							
Frequency	50Hz or 60Hz(Auto Adjust )							
Voltage range	95-127Vac/194-253Vac							
Frequency range	48-54Hz/58-64Hz							
<b>AC OUTPUT</b>								
Waveform	Single phase & sinewave							
Voltage	100Vac/120 Vac/220Vac /230Vac/240 Vac (same as input on bypass mode)							
Frequency	50Hz or 60Hz (auto detect)							
Peak Power	3 times of ratings							
<b>BATTERY</b>								
Battery DC	12V/24V	12V/24V/48V					24V/48V	
DC Input	10-16V/20-32V/40-64V							
Over Charging	15.7V/31.4V/62.8V							
Max Charing Current	20A-75A							
Battery Type	GEL、AGM、 Sealed lead acid							
<b>MPPT CONTROLLER</b>								
PV INPUT	15-30VDC/30-55VDC							
MAX Charing Current	20A/30A/40A/50A							
Max. output current (DC loads)	15A							
<b>TRANSFER EFFICIENCY</b>								
MPPT Efficiency	>95%							
Line Mode	>95%							
Batteyr Mode	>85%							
Power Saver	Available When The Load Is Less Than 50watts							
Transfer Time	10ms							
<b>INDICATORS</b>								
7-LED Display	From Right To Left: 1. Line Mode (Green)、 2. Inverter Mode(Green)、 3. Charging Mode (Yellow) 、 4.fully Charged (Green) 、 5.Over Temp (Red) 、 6.overload (Red) 、 7.saving Mode (Green)							
2-LED Display(MPPT)	Power、 CHG. Mode							
3-LED Display	Charing Mode ( Greening Lighting ) 、 Inverter Mode ( Greening Lighting ) 、 Alarm ( Red Lighting )							
LCD Display	Input Voltage、 Output Voltage、 Frequeney、 Battery Voltage、 Load							
Switch Selector	Saving Mode Is On/off When Push The Switch Forwards/backwards, keeping It Horizontal Is Turning The Inverter Off							
Working Mode	AC power proriy (1-6)/ battery power proriy (7-9)							
Protections	Over Temp、 Over Load、 Over Voltage、 Shutdown							
Communications	RJ11 /RS232(Optional)							
<b>Enviromental</b>								
Operating Environment	0-40 °C, 0-95%Rh(non-condensing)							
Aidible Noise	<60dB							
DimensionD X W X H(mm)	486*400*181					486*432*181		
Net Weight(KG)	16	19	20	24	28	39	49	49