

Programmable LCD Pure Sine Wave Inverter with AC charger / Solar charge controller (Option), Stackable Function SI-6000 (24VDC / 48VDC)

Character:

General

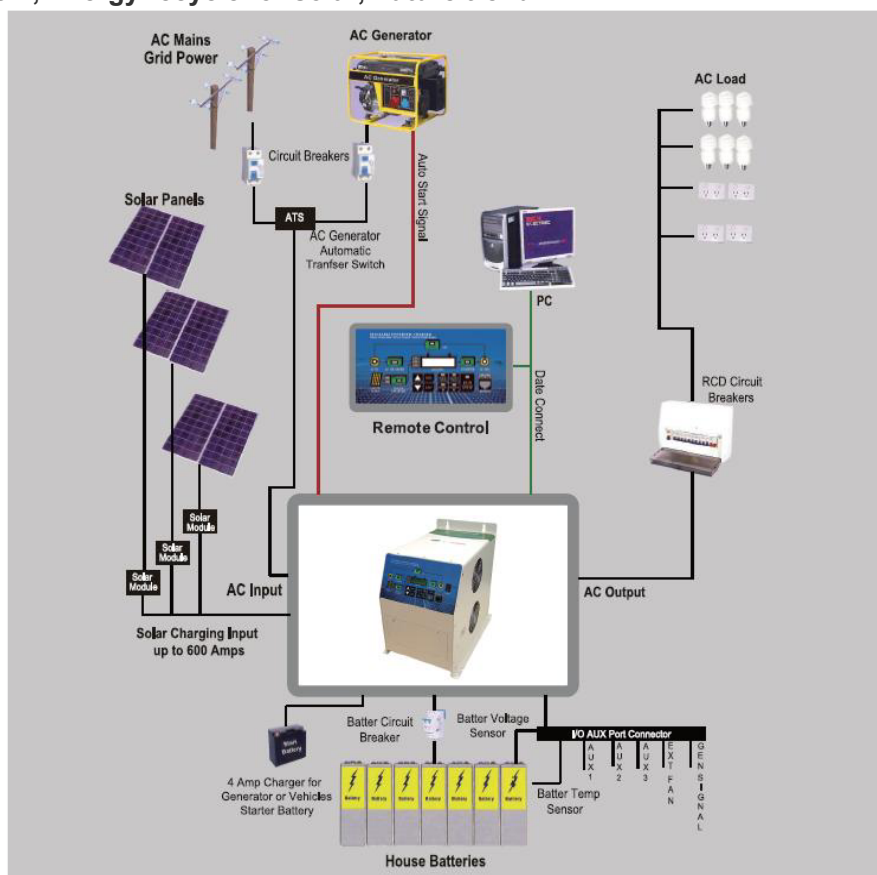
- ◆ More inverters stackable
- ◆ 3 Phase connectable
- ◆ Uninterrupted AC power (UPS function)
- ◆ Power Control - Dealing with limited generator or shore side power
- ◆ Power Assist - Boosting the capacity of shore or generator power
- ◆ LCD display for parameter setting and error messages
- ◆ Programming auxiliary relay (x 3)

Battery Charger

- ◆ Adaptive 4-stage charge characteristic: Bulk-Absorption-Float-Equalize
- ◆ The right amount of charge: Variable Absorption Time
- ◆ Preventing damage due to excessive gassing: The Battery Safe Mode
- ◆ Less maintenance and aging when the battery is not in use: The Equalize Mode
- ◆ 2 outputs to charge 2 battery banks
- ◆ To increase battery life: Temperature Compensation
- ◆ Battery Voltage Sense
- ◆ Extensional Solar Charger Capacity expansion by max. 10 sets of solar chargers (Our AP Series)

Description:

- ◆ Stackable Inverter ~
- ◆ Pure Sine Wave Inverter with AC Charger and Solar Charger (Option) + one more design [stackable function].
- ◆ You may parallel SI Series, according to your requirement.
- ◆ One unit is about 1.5K, if you want to increase to 4.5K, you just need to parallel 3pcs SI Series.
- ◆ Connect directly with Solar system.
- ◆ Natural Power System, Energy recycle for solar, Future trend.





SI-6000



DC cable



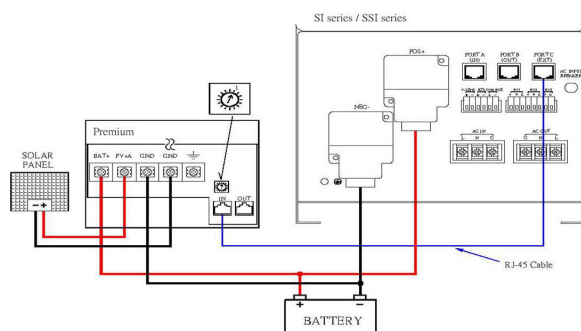
Remote Control

Specifications:

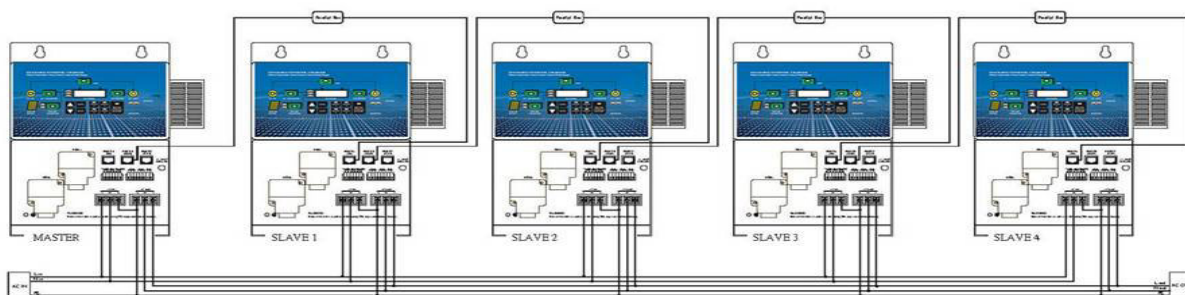
MODEL No.	SI-6000-24	SI-6000-48
INVERTER		
Input Voltage Range (VDC)	19~32VDC	38~64VDC
Output Voltage (VAC)	90~120VAC / 185~240VAC	
Output Frequency	50Hz / 60Hz ± 0.1%	
Output Voltage	Pure sine wave	
THD	< 5%	
Power Factor	All loads	
Switch-on Behavior	Nominal output voltage within 20 msec.	
Cont. Output Power at 25°C(W) (cosφ=1.0)	6000W	
Maximum Power (W)	12000W	
Maximum Efficiency (%)	88	
Zero-load Power (W)	20W	
CHARGER		
Input Voltage Range (VAC)	100~125VAC / 200~250VAC	
Input Frequency	45~55Hz / 55~65Hz	
Power Factor	1	
Charge Characteristic	4-stage adaptive	
Maximum DC Voltage Ripple (Vrms)	< 1.25 V	
Charge Voltage "Absorption" (VDC)	57.6V	
Charge Voltage "Float" (VDC)	55.2V	
Output Charge Voltage (VDC) Min.,Max.	22V,64V	
Charge Current House Battery (A)	140A	
Charge Current Starter Battery (A)	4A	
AC INPUT SWITCH		
Protected by Thermal Circuit Breaker	100A (110V) / 60A (220V)	
Switch-over Time Inverter to AC Input	0 msec.	
Switch-over Time AC Input to Inverter	0 msec.	
Detection Time AC Input Fault	4 msec. to 10 msec.	
Trip Level Mains to Inverter	90VAC / 180VAC	
Trip Level Inverter to Mains	94VAC / 187VAC	
Min.- Max. Frequency Range (50Hz/60Hz)	45~55Hz or 55~65Hz	
GENERAL		
Power Control	Yes	
Power Assist	20A	
Auto Transfer Switch (A)	30A	
Multi-purpose Relay	3 relays	
	Output short circuit,	

Protection	Overload, Battery overvoltage, Battery undervoltage, Battery reverse polarity detection, Over temperature, High input voltage ripple	
Common Characteristics	Operating temperature range: -20°C to +50°C (fan assisted cooling) Humidity: max 95% (non-condensing)	
Weight (Kg)	48.10kg	46.50kg
Dimensions (L x W x H) mm	590 x 480 x 630 mm	
OPTIONS		
Solar Charger	AP Series SCC-45AP-1248 / SCC-60AP-1248 (Max. 10 sets for parallel connection)	
Remote Controller	Remote monitoring available, optional cables: 3M/15M	
Battery Temperature Sensor (BTS)	Compensation for the battery charging voltage and current	

★ Stackable (Maximum 10 units)



★ Stackable (1Phase: Maximum 5 units)



★ Stackable (3Phase: Maximum 15 units)

