

SSP3115C Series

Wall Mounted Integrated Solar Power Inverter System

1-10kW



Product Snapshot

Model: 1-10kW

Nominal Voltage: 230VAC

Nominal Frequency: 50Hz/60Hz

Output Power Factor: 1.0



Key Features:

- Built-in **MPPT** solar controller
- Pure sine wave output
- Low frequency design.
- DIP switch to set AC input voltage range and low battery trip-voltage
- Output power factor is **0.9-1** and output socket can choose
- Well accept generator's output and auto generator start terminal
- Full automatic and silent operation
- Automatically transfer between battery and line modes
- Microprocessor control guarantees high reliability
- **Remote control, BTS function** (optional)
- Four-steps intelligent charging control to recharging time
- Bypass function with **AVR function** (optional)
- The charging **current** is big up to 85 Amp, Can adjust through front panel
- AC/solar output priority optional
- Charging mode priorities optional
- Battery type can choose through front panel



LCD Display

Full Protection:

Protection for low battery voltage, over load, output short circuit and over-temperature, Restrain surge interference, eliminate noise, protection for thunder striking, provide the reliable power to the household appliances.

Applications:

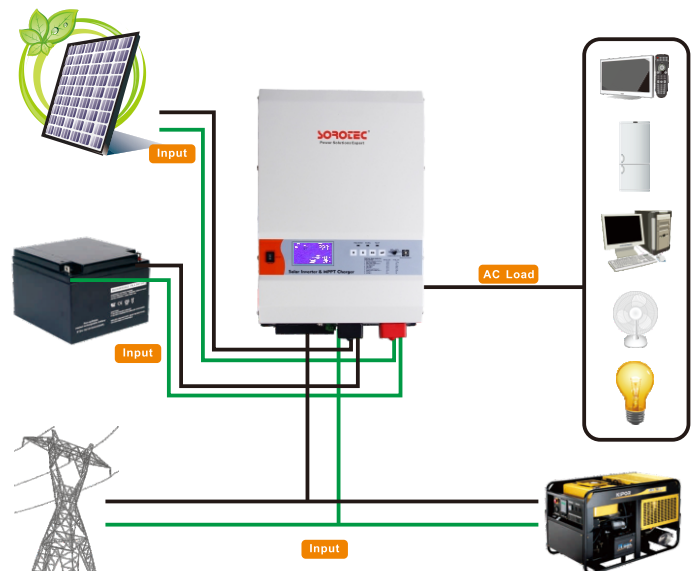
Supply the reliable long back up time power for the household appliances office appliances and solar power systems etc.



- A: Output socket
- B: Inverter Output Protect
- C: Negative DC Terminal
- D: Positive DC Terminal
- E: Charger Input Protect
- F: BTS
- G: Auto GEN START
- H: PV/AC Terminal
- I: DC FAN
- J: Remote Port
- K: IP Switch



- A: AC Fan
- B: RS232
- C: Intelligent slot
- D: Dry Contact



Built-in Transformer

Built-in MPPT

Wall Mounted

SSP3115C Series

Wall Mounted Integrated Solar Power Inverter Technical Specification Built-in MPPT Solar Controller

MODEL	SSP3115C 1-10kW								
	1kW	1.5kW	2kW	3kW	4kW	5kW	6kW	8kW	10kW
Input Wave form	Sine wave (utility or generator)								
Nominal Voltage	120VAC(option)		230VAC						
Low voltage trip	90v ±4% & 184v/154v ±4%								
Low voltage reengage	100v ±4% & 194v/164v±4%								
High voltage trip	140v ±4% & 253v ±4%								
High voltage reengage	135v ±4% & 243v ±4%								
Nominal input frequency	50Hz/ 60Hz (auto detection)								
Frequency range	47Hz~65Hz								
Output Wave form	(Bypass mode)same as input								
Over-Load Protection	Circuit breaker								
Short circuit Protection	Circuit breaker								
Efficiency on line transfer mode	>95%								
Line transfer time	10ms Typical								
Bypass without battery connected	Yes								
Inverter output									
Output wave form	Pure sine wave								
Output continuous power watts	1000	1500	2000	3000	4000	5000	6000	8000	10000
Surge ratings	3000	4500	6000	9000	12000	15000	18000	24000	30000
Power factor	0.9-1.0								
Nominal Output Voltage rms	120VAC(option)		230VAC						
Output Voltage regulation	+/- 10%rms								
Output frequency	50Hz ± 0.3Hz or 60Hz ± 0.3Hz								
Short circuit protection	Yes,fault after 1 secs								
Inverter input									
Nominal input voltage	24V/48V							48V	
Minimum start voltage	20V/40V							40V	
Low battery alarm	21V/42V							42V	
Low battery trip	20V/40V							40V	
High voltage alarm	32V/64V							64V	
Charger									
Output voltage	Dependent on battery type								
Charge current	10-85A MAX							70A	85A
Battery initial voltage for start up	0-15.7v for 12v(*2 for 24v;*4 for 48v)								
Over charge protection	15.7v for 12v(*2 for 24v;*4 for 48v)								
SOLAR CHARGER									
MPPT Range @ Operating Voltage	30-115VDC/60-115VDC								
Maximum PV Array Open Circuit Voltage	145VDC								
Maximum Charging Current	60A								
Maximum Efficiency	>96%								

STANDARD:EN 62109-1:2010 EN 62109-2:2011 EN 62040-1:2008+A1:2013 IEC 62109-1:2010 IEC 62109-2:2011

Note: Product specifications are subject to change without further notice.