

SPS3115C Series
Wall Mounted Integrated Solar Power Inverter technical specification

MODEL	SPS3115C 1-10KVA								
	1000W	1500W	2000W	3000W	4000W	5000W	6000W	8000W	10000W
Input Wave form	Sine wave (utility or generator)								
Nominal Voltage	120VAC(option) 230VAC							220/230/240VAC	
Low voltage re trip	90v ±4% & 184v/154v ±4%							154v	
Low voltage re engage	100v ±4% & 194v/164v±4%							164v	
High voltage re trip	140v ±4% & 253v ±4%							273v	
High voltage re engage	135v ±4% & 243v ±4%							263v	
Nominal Input Frequency	50Hz/ 60Hz (auto detection)								
Low freq trip	47Hz for 50Hz,57Hz for 60Hz							40Hz	
High freq trip	55Hz for 50Hz,65Hz for 60Hz							80Hz	
Output Wave form	(Bypass mode)same as input								
Over-Load Protection	Circuit breaker							Yes	
Short circuit Protection	Circuit breaker							Yes	
Efficiency on line transfer mode	95%+								
Line transfer time	10ms Typical								
Bypass without battery connected	Yes								
Protection degree	IP55								
Inverter specification/output									
Output wave form	Pure sine wave								
Output continuos power watts	1000	1500	2000	3000	4000	5000	6000	8000W	10000W
Output continuos power VA	1000	1500	2000	3000	4000	5000	6000	8000W	10000W
Power factor	0.9-1.0								
Nominal Output Voltage rms	120VAC(option) 230VAC							230VAC	
Output Voltage regulation	+/- 10%rms								
Output frequency	50Hz ± 0.3Hz or 60Hz ± 0.3Hz								
Safety Certification	>88%								
Inverter specification/input									
Nominal input voltage	12V/24V/48V								
Minimum start voltage	10V/20V/40V								
Low battery alarm	10.5V/21V/42V								
Low battery trip	10V/20V/40V								
High voltage alarm	16V/32V/64V								
Charger mode specification									
Output voltage	Dependent on battery type								
Charge current	10-85A MAX							75A MAX	85A MAX
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	15VDC~40VDC/15VDC~150VDC(optional) 25VDC~58VDC/25VDC~150VDC(optional)						60VDC~110VDC 60VDC~150VDC (optional)		
Maximum PV Array Open Circuit Voltage	58VDC/150VDC(optional)			110VDC/150VDC(optional)				110VDC/150VDC(optional)	
Maximum Charging Current	40A/ 60A								
Maximum Efficiency	>96%								
Standby Power Consumption	2 W								

STANDARD: Conform to GB/IEC regulation: EMC:GB7260.2/IEC62040-2 GB/17626.2~5/IEC61000-4-2~5 SAFETY:GB4943
Note: Product specifications are subject to change without further notice.

OUTDOOR-OFF GRID SOLAR INVERTER
LOW FREQUENCY PURE SINE WAVE



Shenzhen SORO Electronics Co.,Ltd

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SPS3115C Series

Outdoor Solar Power system



► Product Snapshot:

Capacity: 1-10KVA

Nominal voltage: 220/230VAC&110/120VAC

Nominal frequency: 50/60Hz

Application:

This Solar power System is commonly used in the corner of the city, offices, home appliance, oil and gas, video surveillance, traffic lights, remote roads, mountains, islands, bad environment, such as high temperature (+50°C) / low temperature (-40°C), severe dust, moisture, rain, mist erosion, very poor power quality.

Key Features:

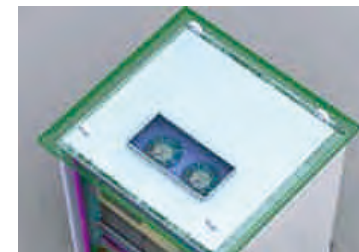
- Pure sine wave inverter
- Built-in MPPT solar charge controller
- Could be built-in battery
- Protection degree: IP55
- Configurable input voltage range for home appliances and personal computers via LCD setting
- Configurable AC/Solar Charger priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload/Over temperature/short circuit protection
- Configurable battery charging current based on applications via LCD setting

Fine dust-proof, water-proof features

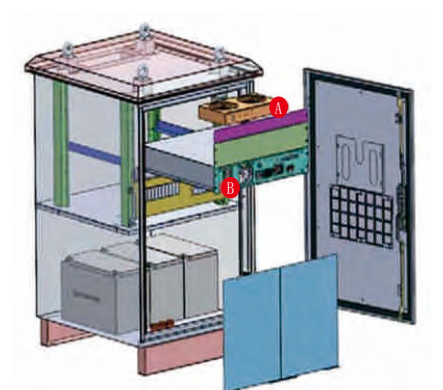
According to the overall standard of design dust-proof and water-proof IP55

- With a sun protection, heat insulation, roof ventilation
- With waterproof and the filtration dust inlet; the cabinet front door shutters with waterproof design, on the back of welding water tank, water tank installed above the net with quick release feature of the dust.

Heat dissipating system construction



Waterproof, Dustproof construction



- A Fan module
- B Inverter with controller module

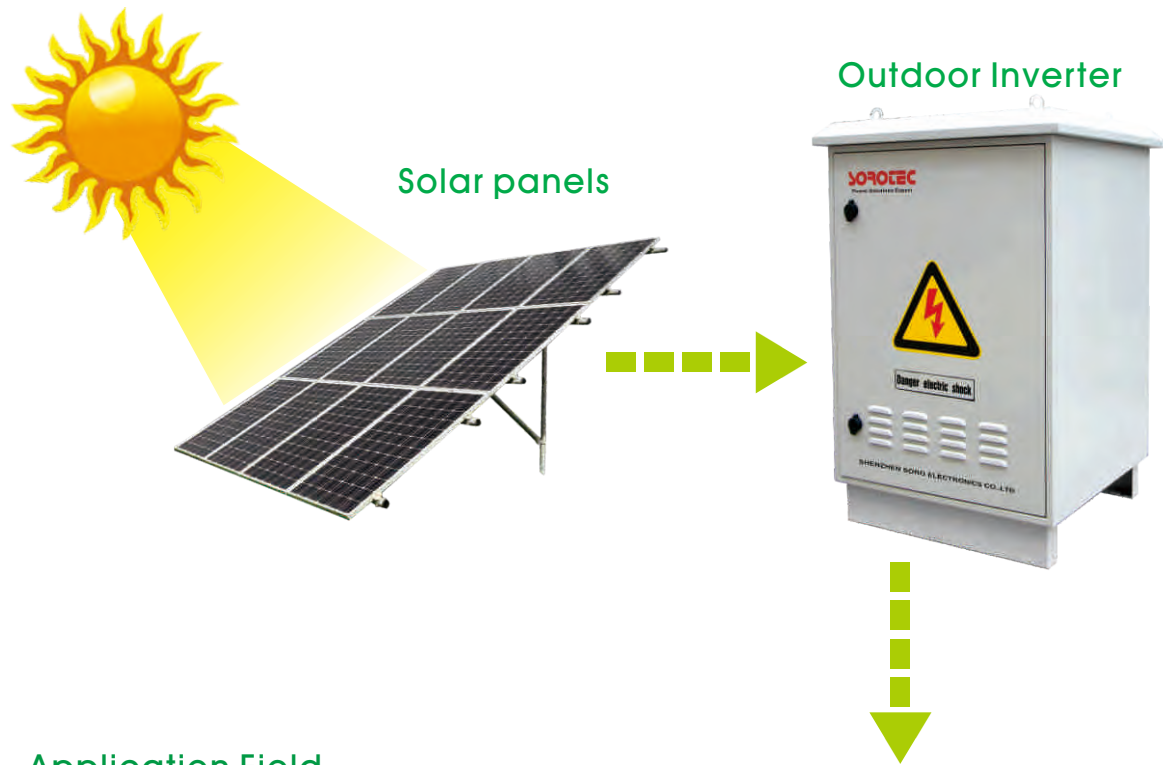
Unique Dual Charging Mode

Solar charging Mode

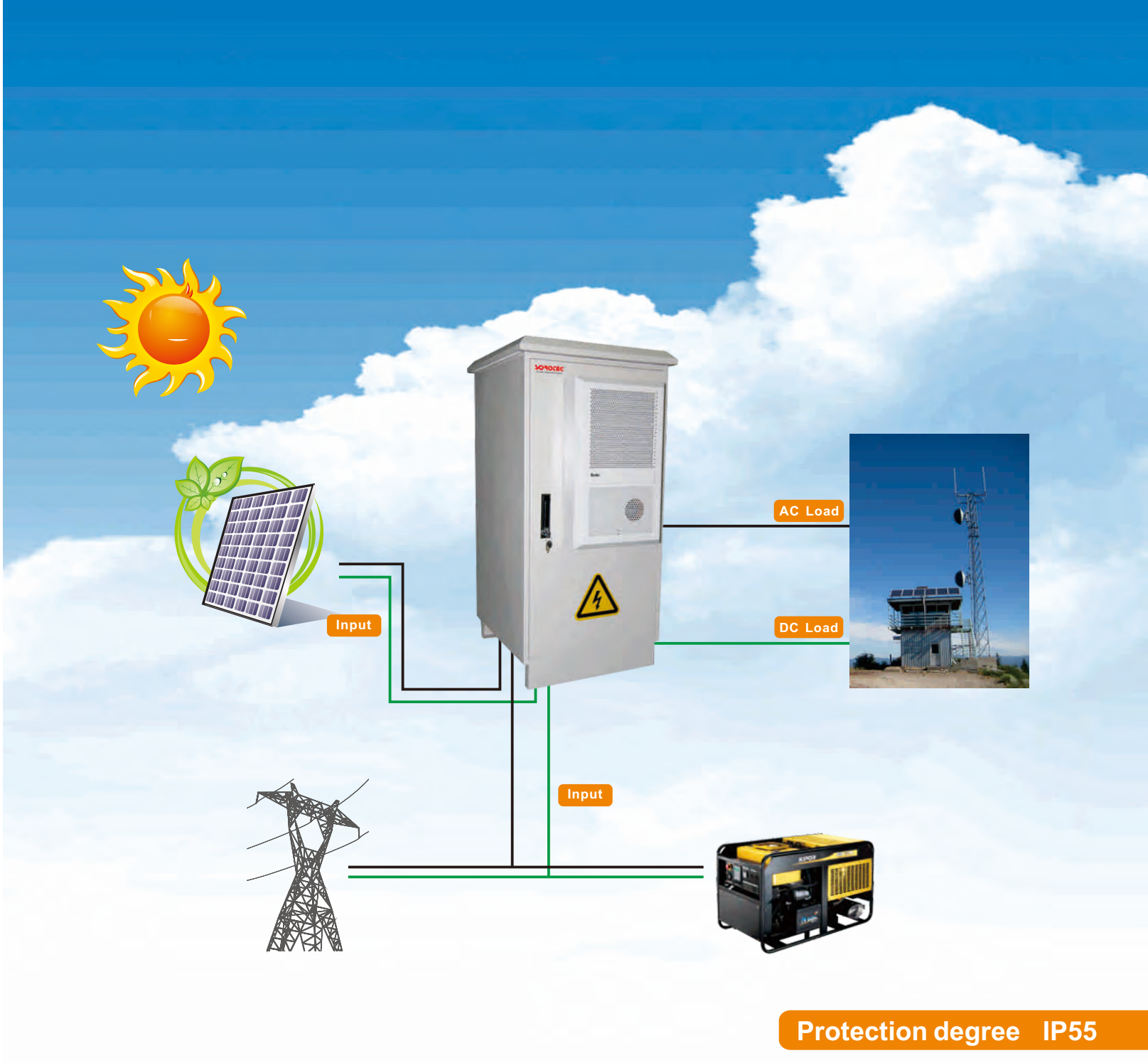
Installation of solar charger inside of machine , with intelligent battery charging control function , which can control input and withdrawal of photovoltaic panels to ensure that the battery charging voltage and current anti-irrigation and over-current , over-voltage and over-temperature.

Main Charging Mode

Installation of a big charger inside of machine , which can control battery intelligently through mains, and also can set the charging period , to avoid the peak period ,and cost savings.



Application Field



Protection degree IP55

Built-in MPPT

Built-in Battery

Built-in Transformer

