

Pure Sine Wave Combined Solar Inverter

(Built-in MPPT solar controller)



Features

1) Ensure that the inverter has the correct d/c voltage for your boat or vehicle system is 24 V.

2) Fit as close to the batteries as possible, the shorter the d/c cables the better.

Voltage drop on long cables will effect the unit's performance.

3) Do not reverse the cables! Connect the red cable to the positive terminal and the black cable to the negative terminal of the battery. In the event of reverse polarity the unit could be totally destroyed.

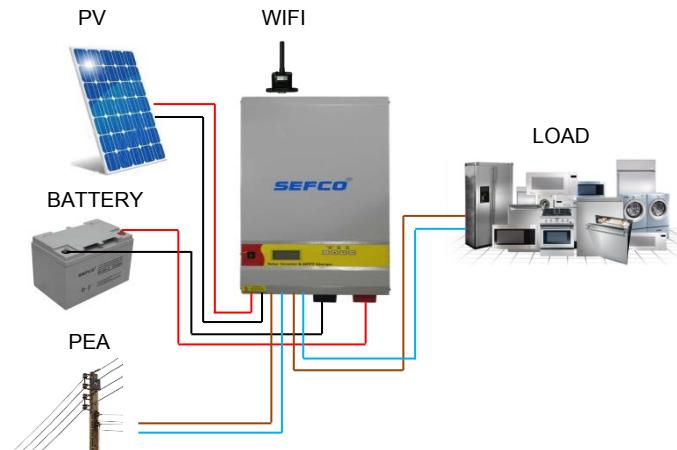
4) Always use the inverter in an environment which is well ventilated, not exposed to direct sunlight or a heat source, away from water, moisture, oil or grease, away from any highly inflammable substance, out of reach from children.

5) The output voltage of this unit must never be on your AC system at the same time as any other a/c source such as the 230/110V external mains line or a generator. All external power must go through the Solar Inverter.

6) Always switch on the Solar inverter first, before plugging in any appliance.

7) Under new electrical legislation only professional electricians should install this product. Ensure the fitting instructions are fully understood before fitting this product.

Basic wiring for the Solar Inverter



Technical data

Model.	S-SSP3115C 1KW/24	S-SSP3115C 3KW/24	S-SSP3115C 5KW/48
Input Wave form	Pure sine wave	Pure sine wave	
Nominal voltage	110V AC	230 VAC	
Low voltage trip	90V ±4%	154V ±4%	
Minimum engage	100V ±4%	164V±4%	
High voltage trip	135V ±4%	264V ±4%	
High voltage re engage	125V ±4%	254V ±4%	
Max input a/c voltage	132VAC	264V A C	
Nominal input frequency	50Hz or 60Hz (auto detect)		
Low freq trip	45H z for 50H z,57H z for 60H		
High freq trip	55Hz for 50H z,65H z for 60H z		
Output wave form	(on bypass mode) same as input		
Over load protection	Circuit breaker		
Short circuit protection	Circuit breaker		
Transfer switch rating	30 amp or 40 amp		
Efficiency on line transfer mode	95%+		
Line transfer time	20ms		
Bypass without battery connected	yes		
Max by pass current	30 amp or 40 amp		
By pass over load current	35 amp or 45 amp (Alarm)		
Inverter Specification / output			
Output wave form	Pure sine wave		
Output continuous power watts	1000W	3000W	5000W
Output continuous power VA	1000VA	3000VA	5000VA
Power factor	0.9-1.0		
Nominal output voltage rms	110VAC		
Output voltage regulation	± 10% rms		
Output frequency	50hz +/- 0.3hz or 60 hz +/- 0.3 hz		
Nominal efficiency	>80%		
Short circuit protection	yes		
Nominal input voltage	24 or 48 V depending on model		
Minimum start voltage	21V for 24 V model,42 V for 48 v model		
Low battery alarm	22v for 24 V model,42 v for 48 v model		
Low battery trip	21V for 24 V model,40 v for 48 v model		
High voltage alarm	32 V for 24 V model, 64 v for 48 v model		
Charger Mode specification			
Input voltage range	(154 -264) ± 4%vac / (184-254) ±4%vac		
Output voltage	Dependent on battery type		
Charge current	35 A / 70 A		
Battery initial voltage for start up	0 - 16.5 v for 12 v (*2 for 24 v ;* 4 for 48 v)		
Over charge protection shutdown	2v(* 2 for 24 v ;* 4 for 48v)		
Remote control	Remote Port		
Size: in mm	400*320* 184mm	400*320* 184mm	580*320* 184mm
Weight (kg)	20.40 kg	29.60 kg	49.80 kg.

Ordering information			
Model No.	S-SSP3115C 1KW/24	S-SSP3115C 3KW/24	S-SSP3115C 5KW/48
Part No.	608154	608155	608156
Warranty	1 year from Delivery date		
Packing unit	1 pc(s).		

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