

## Pure Sine Wave Combined Solar Inverter (Built-in MPPT solar controller)



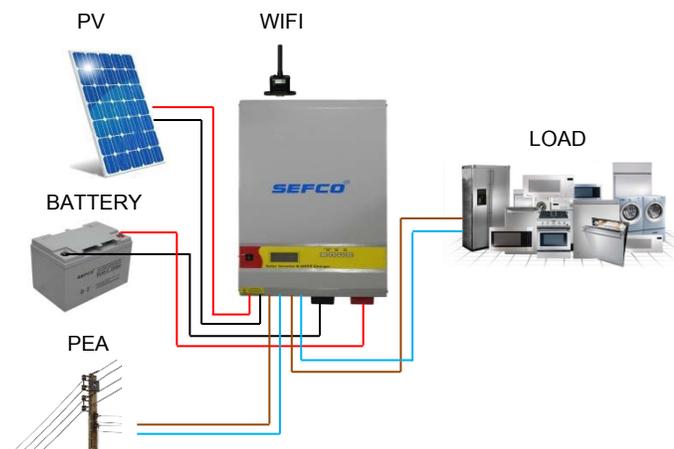
### Features

- 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 legistion only professional electricitions 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 8KW/48	S-SSP3115C 10KW/48
Input Wave form	Pure sine wave	
Nominal voltage	230 VAC	
Low voltage trip	154V ±4%	
Minimum engage	164V±4%	
High voltage trip	264V ±4%	
High voltage re engage	254V ±4%	
Max input a/c voltage	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	80 amp or 63 amp	
Efficiency on line transfer mode	95%	
Line transfer time	10ms	
Max by pass current	63 amp	
By pass over load current	63 amp	
<b>Inverter Specification / output</b>		
Output wave form	Pure sine wave	
Output continuous power watts	8000W	1000W
Output continuous power VA	8000VA	1000VA
Power factor	0.9-1.0	
Nominal output voltage rms	220VAC	
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	48 V depending on model	
Minimum start voltage	40 V for 48 v model	
Low battery alarm	42 v for 48 v model	
Low battery trip	40 v for 48 v model	
High voltage alarm	64 v for 48 v model	
<b>Charger Mode specification</b>		
Input voltage range	(154 -264) ± 4%vac / (184-254) ±4%vac	
Output voltage	Dependent on battery type	
Charge current	70 A	85 A
Battery initial voltage for start up	0 - 15.7 v * 4 for 48 v	
Over charge protection shutdown	15.7 v * 4 for 48v	
Remote control	Remote Port	
Size: in mm	643*411*203.7	643*411*203.7
Weight (kg)	62.4	68.4

Ordering information		
Model No.	S-SSP3115C 8KW/48	S-SSP3115C 10KW/48
Part No.	608157	608158
Warranty	1 year from Delivery date	
Packing unit	1 pc(s).	

## Contact us

You can find the address of your local sales organisation on the home page



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