



SSI Series Solar Controller and Inverter Integrated System

Applications

This product can be applied to household off-grid system and power supply for the coastal islands.

Features

- Solar controller and inverter integrated system
- Industrial frequency isolation. Safe and reasonable
- Complete protection functions
- Comply with the CE certification

Technical Parameters

Model	WSI0303-12	WSI0505-24	WSI1010-24	WSI1010-48
PV Input				
Rated input power	300W	500W	1000W	1000W
Max. Open circuit voltage	24V	48V		96V
Rated input current	25A	21A	42A	21A
Charge Parameters				
Rated battery voltage	12V	24V	24V	48V
Output overvoltage point	14.5V	29V	29V	58V
AC Output				
DC input voltage range	10.8V~17V	21.6V~34V		43.2V~68V
Undervoltage recovery point	Refer to "rated battery voltage"			
Rated output power	300VA	500VA	1000VA	1000VA
Rated output voltage	110/120/220/230/240V			
Rated phase number	Single phase			
Rated output frequency	50/60±0.5Hz			
THDi	<5%			
Max. conversion efficiency	≥85%			
Overload protection	120% rated DC output -1min,150% rated DC output -10s			
General Parameters				
Display mode	LCD			
Display information	Battery voltage, charge current, and battery overvoltage/undervoltage, overload, load short circuit, equipment overheating status.			
Isolation mode	Industrial frequency isolation			
Static loss	≤0.9A	≤0.5A	≤0.7A	≤0.5A
Protection function	PV:PV reversed connection protection, reversed charging protection; Battery: battery reversed connection protection, overvoltage protection; Load:overload protection, short circuit protection, overheating protection; and so on.			
Ambient temperature	-20℃ ~+40℃			
Humidity	5%~95%,No condensing			
Noise	≤65db			
Cooling mode	Forced air cooling			
Cover protection class	IP20			

Product dimension (W*H*D)	402×163×202 mm		
Product net weight	8kg	9kg	13kg
Note: Part of parameters can be adjusted according to customer's specific demand.			