



SWSI Series Wind&Solar Hybrid Controller and Inverter Integrated Machine

## Applications

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

## Features

- Wind&solar hybrid, controller and inverter integrated machine
- Industrial frequency isolation. Safe and reasonable
- Complete protection functions
- Comply with the CE certification

## Technical Parameters

Model	WWSI0303-12	WWSI0505-12	WWSI0606-24	WWSI0610-24	WWSI1010-48
<b>Wind Turbine Input</b>					
Rated input power	300W	500W	600W	600W	1000W
Input voltage range	0~16V	0~16V	0~32V	0~32V	0~64V
Rated input current	25A	42A	25A	25A	21A
Brake by hand	Turn on the brake switch, and it will unload completely. Then, it need be recovered by manual operation				
Brake by over current	25A	42A	25A	25A	21A
Brake by overvoltage	Refer to "output overvoltage" control				
<b>PV input</b>					
Rated input power	90W	150W	180W	180W	300W
Max. Open circuit voltage	24V	24V	48V	48V	96V
Rated input current	8A	13A	8A	8A	7A
<b>Charge Parameters</b>					
Rated battery voltage	12V	12V	24V	24V	48V
Output overvoltage point	14.5V	14.5V	29V	29V	58V
<b>AC Output</b>					
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	600VA	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, brake display, battery overvoltage/undervoltage, overload, load short circuit, and equipment overheat status.				
Isolation mode	Industrial frequency isolation				
Static loss	≤0.9A	≤0.7A	≤0.7A	≤1.25A	≤0.625A
Protection function	Lightning protection; Wind turbine: manual brake, automatic brake; 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°C ~ +40°C				
Humidity	5%~95%, No condensing				
Noise	≤65db				
Cooling mode	Natural cooling				
Cover protection class	IP20				
Product dimension (W*H*D)	344*165*402 mm				
Product net weight	8kg	9kg	13kg	15kg	
<b>Note: Part of parameters can be adjusted according to customer's specific demand.</b>					