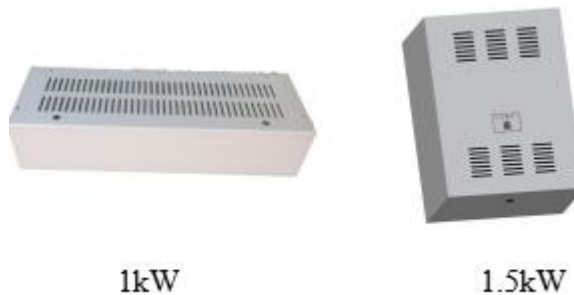


MWSI Series Wind&Solar Hybrid Controller and Inverter Integrated Machine



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
- RS232/RS485/RJ45/GPRS Monitoring modes optional
- Comply with the CE certification

Technical Parameters

Model	WWSI1025-48	WWSI1540-48
Wind Turbine Input		
Rated input power	1000W	1500W
Input voltage range	0~64V	0~64V
Rated input current	21A	32A
Brake by hand	Keep press the scan button for 5s to unload completely, and then recover by hand.	
Brake by over current	21A	32A
Brake by overvoltage	Refer to "output overvoltage" control	
PV Input		
Rated input power	1000W	1500W
Max. Open circuit voltage	96V	
Rated input current	21A	32A
Charge Parameters		
Rated battery voltage	48V	
Start unload voltage	56V(factory default, 44~64 settable)	
Complete unload voltage	60V (factory default, add 4V from start unload voltage)	
AC Output		
DC input voltage range	43.2V~68V	
Undervoltage recovery point	Refer to "rated battery voltage"	
Rated output power	2.5kW	4kW
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, Load voltage, Load current, Load power, wind turbine voltage, wind turbine current, wind turbine power, PV voltage, PV current, PV power, and status for battery overvoltage/undervoltage, overload, load short circuit.	
Monitoring mode (optional)	RS232/RS485/RJ45/GPRS	
Monitoring Contents	Battery voltage, load voltage, load current, load power, wind turbine voltage, wind turbine current, wind turbine power, PV voltage, PV current, PV power, and status for battery overvoltage/undervoltage, overload, load short circuit, and overheat.	
Isolation mode	Industrial frequency isolation	
Static loss	≤0.7A	≤0.8A
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℃ ~+40℃	
Humidity	0~90%, No condensing	
Noise	≤65db	
Cooling mode	Forced air cooling	
Cover protection class	IP20	
Product dimension (W*H*D)	600×600×200 mm	
Product net weight	38.5Kg	48.5Kg
Dump load dimension (W*H*D)	360×80×120mm	300×400×210mm
Dump load net weight	2.8kg	10kg
Note: Part of parameters can be adjusted according to customer's specific demand.		