

EEWSI Series

1000/2500W Integrated Inverter&Controller Off-grid Single Phase



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	EEWSI1540-48
Wind Turbine Input	
Rated input power	1500W
Input voltage range	0~64V
Rated input current	32A
Brake by hand	Keep press the scan button for 5s to unload completely, and then recover by hand.
Brake by over current	32A
Brake by overvoltage	Refer to "output overvoltage" control
PV Input	
Rated input power	1500W
Max. Open circuit voltage	96V
Rated input current	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	4kW
Rated output voltage	110/120/220/230/240V
Rated phase number	Single Phase
Rated output frequency	50/60 $\pm$ 0.5Hz
THDi	<5%
Max. conversion efficiency	$\geq$ 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	$\leq$ 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	48.5Kg
Dump load dimension (W*H*D)	300×400×210mm
Dump load net weight	10kg
Note: Part of parameters can be adjusted according to customer's specific demand.	