

EEWGI Series

5KW Integrated Inverter&Controller Grid-tie Single Phase



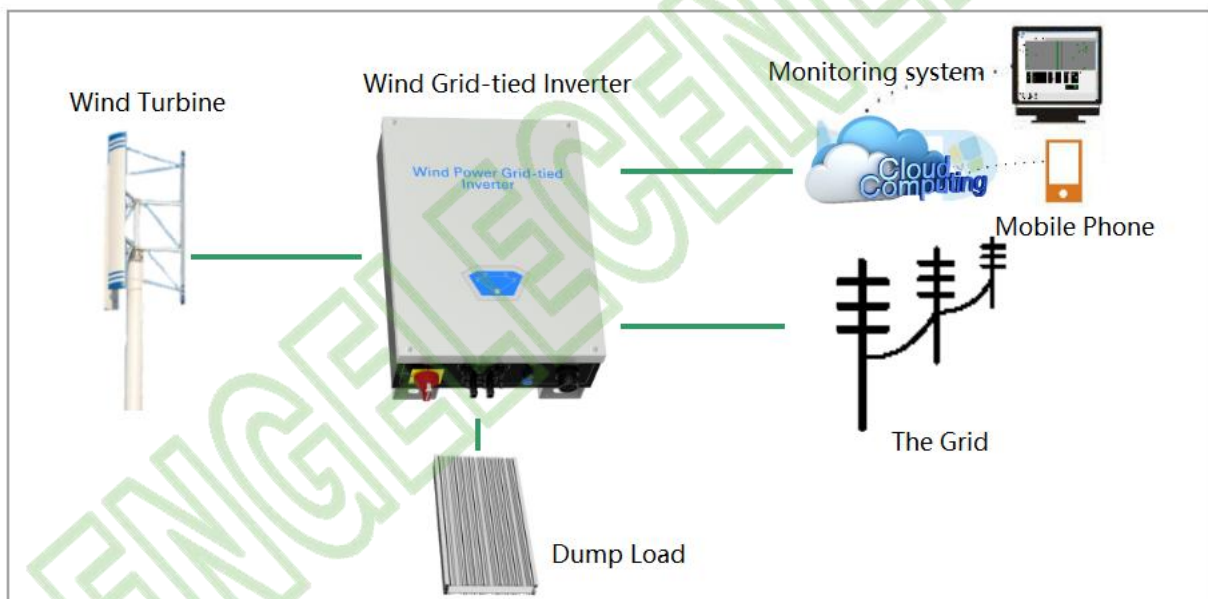
Applications

EEWGI50 is wind power grid-tied controller&inverter integrated machine with MPPT function for Solar&wind hybrid power distributed grid-tied system. It looks concise and can be easily operated.

Features

- Wind Controller&Inverter integrated machine
- MPPT included, and 30 points settable
- Complete protection functions.
- RS485 monitoring mode optional.

System Diagram



Technical Parameters

Model	EEWGI50
Wind Turbine Input	
Rated input power	5kW
Max. input power	6kW
Rated input voltage	240Vac
Manual brake	Keep pressing the button for 5s to unload completely, and then recover by pressing it for another 5s. Switch “ON” the brake switch
Brake by over wind speed (optional)	18m/s (0~30m/s settable), it dumps load completely when reached the set wind speed, and recover automatically after working 10mins and wind speed is less than 15m/s.
Brake by over rotational Speed (optional)	500r/min (factory default , 0~1000r/min settable)
	Unload completely when reached the set rotational speed, and recover automatically after 10mins.
AC Output	
Grid Type	Single-phase
Rated output power	5kW
Rated Grid voltage	220Vac
Grid voltage range	180~260Vac
Rated Grid frequency	50Hz
Work frequency range	49Hz~51Hz
Rated output current	22.7A
Thdi	<5% (at rated power)
Protection Functions	
AC output over-voltage/ under-voltage protection	YES
AC output over frequency /under-frequency protection	YES

AC short circuit protection	YES
Surge protection	YES
Anti-islanding protection	YES
Over-temperature protection	YES
Lightning protection	YES
General Parameters	
Display mode	LED
Display information	dump load, grid state, wind generator state, faults
Monitoring mode(optional)	RS485/GPRS
Monitoring contents	wind rotate speed, wind power, AC output voltage /current/power, and fault code
Efficiency	>93%
Ambient temperature	-20℃~+40℃
Humidity	0%~90%, no condensing
Noise	≤65dB
Cooling mode	Forced air cooling
Cover protection class	IP54
Product dimension (W*H*D)	370×545×185mm
Product net weight	19kg
Dump load dimension(W*H*D)	390×730×190mm
Dump load net weight	19kg
Note: Part of parameters can be adjusted according to customer's specific demand.	