

## 10kW Wind Controller&Inverter Integrated Machine

WWGIT100 is wind power grid-tied controller&inverter integrated machine with MPPT function. It looks concise and can be easily operated.

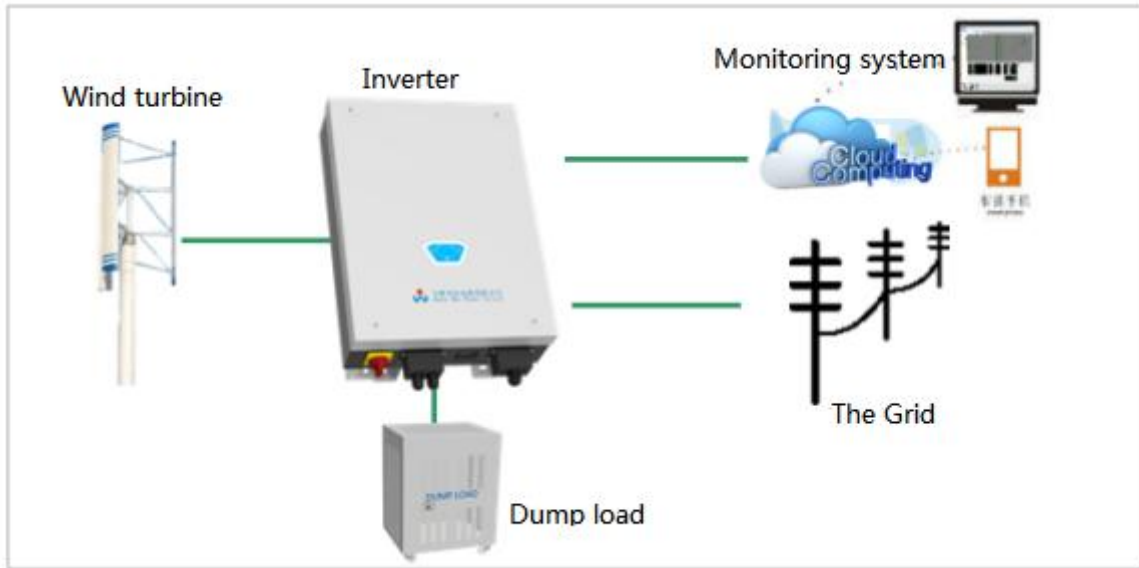
### Machine



### Dump Load



## System Diagram



## Applications

- Distributed wind turbine power grid-tied system
- Solar&wind hybrid power grid-tied system
- Wind power grid-tied system.

## Features

- Controller&Inverter integrated system ( only for wind power generation)
- MPPT included, and 30 points settable
- Complete protection functions.
- GPRS monitoring mode optional.

## Technical Parameters

Model	WWGIT100
<b>Wind Turbine Input</b>	
Rated input power	10kW
Rated input voltage	450Vac
Input voltage range	80~600Vac (cut-in voltage, 80V as default, settable)
Rated input current	13Aac
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 overcurrent	15A (factory default, 0~15A settable) it dumps load completely when overcurrent, and will recover after 10 mins automatically.
Brake by over wind speed ( optional )	18m/s( factory default, 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.
<b>AC Output</b>	
Grid Type	Three-Phase
Rated output power	10kW
Rated Grid voltage	400Vac
Grid voltage range	310~450Vac
Rated Grid frequency	50Hz
Work frequency range	48Hz~52Hz
Rated power factor	>0.99
Thd	<3% (at rated power)
Rated output current	15A
<b>Protection Functions</b>	
DC input overvoltage protection	YES
AC output overvoltage/ undervoltage protection	YES
AC output overfrequency /underfrequency protection	YES
DC input overload protection	YES
AC short circuit protection	YES
Surge protection	YES
Anti-islanding protection	YES
Over-temperature protection	YES
Lightning protection	YES
<b>General Parameters</b>	
Rectifier mode	PWM

Display mode	LED
Display information	
Monitoring mode(optional)	GPRS
Monitoring contents	wind voltage/current/power, output voltage/current /power, accumulative wind power generated capacity and fault code.
Efficiency	>96%
Isolation mode	No transformer
Ambient temperature	-20℃ ~+40℃
Humidity	0%~ 95%, No condensing
Cooling mode	Forced air cooling
Noise	≤65dB
Cover protection class	IP54
Product dimension (W*H*D)	784×514×265mm
Product net weight	62kg
Dump load dimension(W*H*D)	520×550×430mm
Dump load net weight	45kg
<b>Note: Part of parameters can be adjusted according to customer's specific demand.</b>	