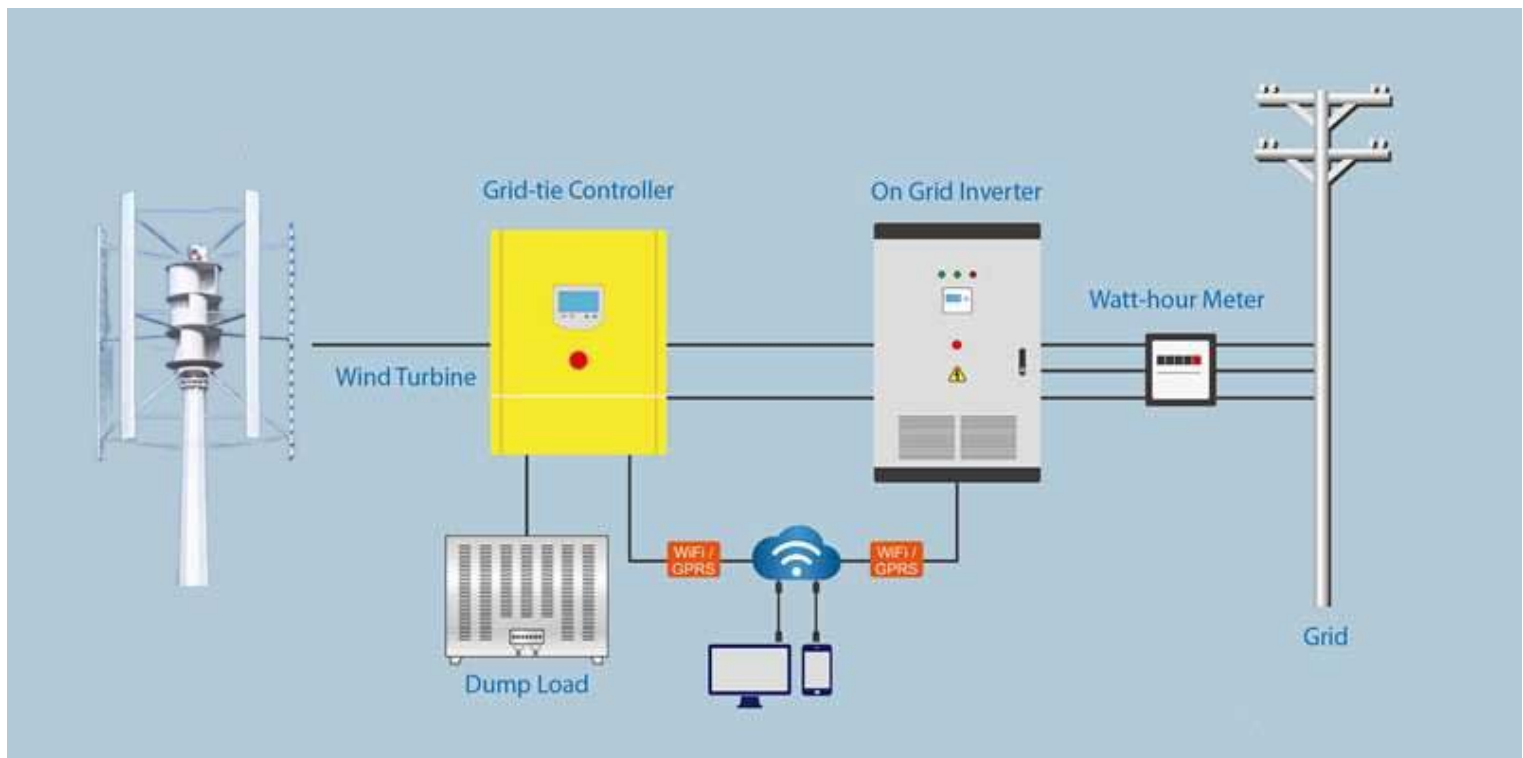


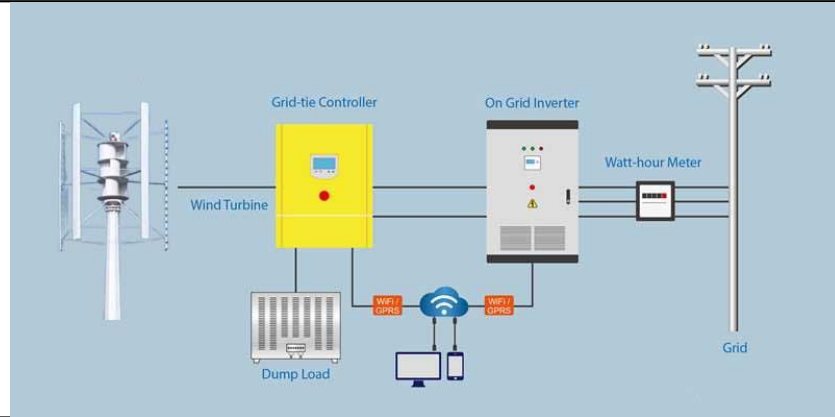
EN Set vertical wind turbine H-type RX-HV100K 100 kW 380V, grid controller FKJ-GT for 100 kW 380 V, grid inverter for 100 kW 380 B



EN

Set vertical wind turbine H-type RX-HV100K 100 kW 380V, grid controller FKJ-GT for 100 kW 380 V, grid inverter for 100 kW 380 B

Connection diagram



Specification of 100kw vertical wind turbine H type

Model	RX-HV100K
Rated Power	100KW
Max Power	120KW
Blades Length	15M
Wheel Diameter	8.0M
Generator type	Maglev coreless
Rated Voltage	380V
Start Up Speed	2.5m/s
Rated Wind Speed	11m/s
Cut in wind speed	3.0m/s
Survival Wind Speed	50m/s
Blades Quantity	5 pcs, Include three boosts drum
Blades Material	Aluminium alloy
Working Temperature	-40℃~+80℃
Protection Level	IP54
Working environment humidness	≤90%
Altitude	≤4500m
Install Height	2~12m
Overload Protection	Electromagnetic Brake
Gross Weight	2500kg

Photo



Specification of 100kw on grid controller FKJ-GT100KW

Function	Rectifier, control, DC output		
Automatic protection function	Over voltage protection, network electric cut off protection, regulated supply output, arrester		
Manual function	Manual brake, reset, emergency switch, Yaw control, change OARS		
Display mode	LCD		
Display content	Wind turbine voltage, current, power; Solar voltage, current, power; DC output voltage, DC output current, DC output power, total power.		
PWM constant	≥550dc		
PWM constant	≥550dc		
Wind turbine deflection 45° (adjustable)	≥550dc		
wind turbine 3-phase	575±5Vdc		
wind turbine 3-phase dump load voltage ²	580±5Vdc		
wind turbine 3-phase	580±5Vdc		
Wind turbine deflection 90° (adjustable)	580±5Vdc		
Time-lapse of the wind turbine 3-phase dump load ²	12-20 min		
PWM dump load fuse	80A		
Fuse of DC output	100A		
Wind speed (adjustable)	≥2m/s		
Wind direction (adjustable)	0-360°		
Work environment temperature	-30-60°C		
Relative humidity	<90% No condensation		
Noise (1m)	<40dB		
Degree of protection	IP20(Indoor) IP65 (Outdoors)		
Cooling method	Forced air cooling		
*Communication interface (optional)	RS485/USB/GPRS/WIFI/Ethernet		
*Temperature compensation(optional)	-4mv/°C/2V, -35°C~+80°C, Accuracy:±1°C		
Size of the controller (mm)	600*550*1220mm		
Weight of the controller	80KG		
Size of the dump load (mm)	690*450*530	720*500*1300	720*500*1300
Weight of the dump load	41Kg	70Kg	80Kg

*Above parameter only for reference

1. Could be custom made to user specifications.
2. Could have solar power control subject to user demand.

Photo



Specification of 100kw on grid inverter

Modle	TLS50KTS (INDOOR)	
Input	Voltage Range	DC 200~820V
	START VOLTAGE	400VDC
	Rated Voltage	DC 620V
	Control System	MPPT
Output	Normal Output Capacity	100KW
	voltage range	3-phase (in accordance with the requirements of different countries and regions adjusted)
	Rated Voltage	380VAC
	Normal Frequency	Grid-frequency 50Hz
	Number of phases	3-phase, 4wires
	Power Factor	0.99
	THD	At rated power and in the sine wave <3.5%
	Efficiency	97% (Europe Efficiency:96.4%)
Structure	Current	75A
	Protection Class	IP20
	Cooling System	Fan cooling
	Noise	<60dB
	Data Interfaces	External RS 232C
Protection	Inverter	Input overvoltage,output short circuit overload,
	Grid	Anti-islanding(IEEE 1547),over/under voltage of grid,
Environment	Operation	Ventilation via rear wall,-10℃~40℃ (50℃)
	temperature range	
	Stored temperature	-20℃~65℃
	Relative humidity	<90% RH(Do not wet with dew)
	Environment	Have no corrosion gas, flammable gas,oil mist,dust etc.
	Standby power consumption	<250mW
	Altitude	6600 feet (2000 meters) above derating

Photo

