EEWS Series

20KW Wind/Solar Hybrid Controller

Applications

➢Independent wind power plant

➢Independent household wind power generation system

➢Power supply for those unmanned regions like mobile communication station, high way, the coastal islands, remote mountainous regions and border posts.

➢ Regional research projects, government demonstration projects, landscape lighting projects for those places with insufficient power or power shortages.

Features

➢Can be applied to wind&solar hybrid off-grid system

➢Several functions are optional, such as wind speed measure function, rotational speed control function and temperature compensation function.

➢RS232/RS485/RJ45/GPRS/Bluetooth/Zigbee optional. (It can be monitored by app for those with GPRS/WIFI/Bluetooth connection)

Technical Parameters

Model	EEWS200-120	EEWS200-220
Rated Battery Voltage	220V	240V
Rated Wind Turbine Input Power	20KW	20KW
Maximum Wind Turbine Input Power	30KW	30KW
Wind turbine brake current	91A	84A
Rated solar Input Power	6KW	6KW
Charge Shutoff Voltage	266V	290V
Display mode	LCD	
Cool mode	Fan	
Quiescent current	Less than 20mA	
Reverse battery protection	anti-reverse-connection protection device in the inside of controller.	
Open circuit protection	The controller will not be damaged if the battery in open circuit.	
Solar anti-charge protection	Battery don't charge PV board in reverse.	
Solar anti-reverse protection	The controller will not be damaged when the PV is reverse-connection.	
Manual brake	wind generator stop turning or slowing turning	
Lightning protection	Lightning protection in inside of the controller.	
Protection grade	IP20 (Indoor)	
Insulation resistance	Resistance between DC/AC input and the housing: more than 50MΩ	
Ambient Temperature & Humidity	-20～+55℃/35～85%RH （No Condensation）	
Altitude	less than 4000m	
Dimensions (L x W x H)	Controller:440×300×170mm; Dump-load box: 680*420*675mm	
Net Weight	Controller: 10 kg; Dump load box: 75kg	

Note: Part of parameters can be adjusted according to customer's specific demand.