

EEWS Series

10KW 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 | EEWS100-240 | EEWS100-120 |
|--|---|---|
| Wind Turbine Input | | |
| Rated input power | 10kW | 10kW |
| Rated input voltage | 240Vdc | 120Vdc |
| Input voltage range | 0~320Vdc | 0~160Vdc |
| Rated input current | 42Adc | 84Adc |
| Brake by hand | Press button “Enter” “Esc” at the same time to unload completely. Then recover by hand. | |
| Brake by over current | 42A (factory default, 0~42A settable) unload completely when reached the set current, and recover automatically after working 10mins. | 84A (factory default, 0~84A settable) unload completely when reached the set current, and recover automatically after working 10mins. |
| Brake by overvoltage | Refer to “output overvoltage” control | |
| Brake by over wind speed (optional) | 14m/s (0-30m/s settable), unload completely when reached the set wind speed, and recover automatically after working 10mins. | |
| 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 working 10mins. | |
| PV Input (optional) | | |
| Rated input power | 3000W | 3000W |
| Max. Open circuit voltage | 480Vdc | 240Vdc |
| Rated input current | 13Adc | 25Adc |
| Reversed connection protection | YES | |
| Charge Parameters (optional) | | |
| Rated battery voltage | 240Vdc | 120Vdc |
| Temperature compensation function (optional) | -3mV/°C/2V | |
| Output Parameters | | |

| | | |
|---|--|--------|
| Rated output voltage | 240Vdc | 120Vdc |
| Output overvoltage point | 58Vdc | 145Vdc |
| Output overvoltage recovery point | Less than output overvoltage | |
| General Parameters | | |
| Rectifier mode | Uncontrolled rectifier | |
| Display mode | LCD | |
| Display information | DC output voltage, wind turbine voltage/current/power/battery voltage and PV power/voltage/current | |
| Monitoring mode (optional) | RS232/RS485/RJ45/GPRS/Bluetooth/Zigbee | |
| Monitoring Contents | Real-time display:DC output voltage, wind turbine voltage/current/power/battery voltage and PV power/voltage/current | |
| | Parameter setting: Output overvoltage point, wind turbine over current point, and wind turbine brake settings. | |
| Lightning protection | YES | |
| Conversion efficiency | ≥95% | |
| Static loss | < 7W | |
| Ambient temperature | -20℃ ~ +40℃ | |
| Humidity | 5%~95%, No condensing | |
| Noise | ≤65dB | |
| Cooling mode | Natural cooling | |
| Installation mode | Wall-mounted | |
| Cover protection class | IP42 | |
| Product dimension (W*H*D) | 440×305×170 mm | |
| Product net weight | 9kG | |
| Dump load dimension(W*H*D) | 520×550×430mm | |
| Dump load weight | 45kG | |
| Note: the listed specs are just for your reference | | |