

## EESWS Series

# 1000W Wind/solar Hybrid Controller



### Applications

- 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

- Wind&Solar complementary controller in high quality.
- LCD Display. Easy setup.
- RS232/RS485/RJ45/GPRS /Bluetooth Optional (For those with GPRS/Bluetooth/RJ45 can also be monitored through App.)



(Dump-load outside)

## Technical Parameters

Model	EESWS10B-48
<b>Wind Turbine Input</b>	
Rated input power	1kW
Rated input voltage	56Vdc
Input voltage range	0~64Vdc
Rated input current	21Adc

Brake by hand	Press button “Enter” “Esc” at the same time to unload completely. Then recover by hand.
Brake by over current	21A (factory default,0~21A 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,0~1000 r/min settable)Unload completely when reached the set rotational speed, and recover automatically after working 10mins.
<b>PV Input Parameters (Optional)</b>	
Rated input power	300W
Max. open circuit voltage	96Vdc
Rated input current	7A <sub>dc</sub>
Reversed connection protection	YES
<b>Charge Parameters</b>	
Rated battery voltage	48Vdc
Temperature compensation function (optional)	-3mV/°C/2V
<b>Output Parameters</b>	
Rated output voltage	48Vdc
Output overvoltage point	58V
Output overvoltage recovery point	Recover automatically under output overvoltage point
Max. Output current	21A <sub>dc</sub>
<b>General Parameters</b>	
Rectifier mode	Uncontrolled rectifier
Display mode	LCD

Display information	Battery voltage, wind turbine voltage/current/power.
Monitoring mode (optional)	For those with PV, PV voltage/current/power is showed as well.
	RS232/RS485/ GPRS/Bluetooth/Zigbee
Monitoring Contents	Real-time display: Battery voltage, wind turbine voltage/current/power.
Lightning protection	For those with PV, PV voltage/current/power is showed as well.
	Parameter setting: overvoltage point, over current point, wind turbine brake settings, and so on.
	YES
Conversion efficiency	≥95%
Static loss	< 1W
Environment temperature	-20°C ~ +40°C
Humidity	5%~95%,No condensing
Noise	≤65dB
Cooling mode	Natural cooling
Installation mode	Wall-mounted
Cover protection class	IP52
Product dimension (W*H*D)	150×205×80mm
Product net weight	2.6kg
Dump load dimension (W*H*D)	360×80×120mm
Dump load net weight	2.8kg
<b>Note: the listed specs are just for your reference</b>	