

EEWS Series

## 3000W 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	EEWS30-48	EEWS30-120
<b>Wind Turbine Input</b>		
Rated input power	3kW	
Rated input voltage	48Vdc	120Vdc
Input voltage range	0~64Vdc	0~160Vdc
Rated input current	63A <sub>dc</sub>	25A <sub>dc</sub>
Brake by hand	Press button "Enter" "Esc" at the same time to unload completely. Then recover by hand.	
Brake by over current	63A (factory default, 0~63A settable) unload completely when reached the set current, and recover automatically after working 10mins.	25A (factory default, 0~25A 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	
Brake by over rotational Speed	Optional	
<b>PV Input (optional)</b>		
Rated input power	900W	
Max. Open circuit voltage	96Vdc	240Vdc
Rated input current	19A <sub>dc</sub>	8A <sub>dc</sub>
Reversed connection protection	YES	
<b>Charge Parameters (optional)</b>		
Rated battery voltage	48Vdc	120Vdc
Temperature compensation function (optional)	-3mV/°C/2V	

Output Parameters		
Rated output voltage	48Vdc	120Vdc
Output overvoltage point	58Vdc	145Vdc
Output overvoltage recovery point	Less than output overvoltage	
Max. Output current	63Adc	25Adc
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	< 5W	< 7W
Ambient temperature	-20℃ ~ +40℃	
Humidity	5%~95%, No condensing	
Noise	≤65dB	
Cooling mode	Natural cooling	
Installation mode	Wall-mounted	
Cover protection class	IP20	

Product dimension (W*H*D)	440×305×170 mm
Product net weight	7.5kG
Dump load dimension(W*H*D)	400×390×210mm
Dump load weight	13.5kG
<b>Note: the listed specs are just for your reference</b>	

ENGELECEENERGY