

## EESW Series

# 300W Intelligent Wind Turbine Controller



## Applications

EESW series is wind power controller, and it can be applied to wind power generation system. It can control the wind turbine generation to charge the battery in a efficient and safe way.

## Features

- Can be applied to independent wind power generation system and wind monitoring system.
- Integrated with other solar controller to be a wind&solar hybrid street light controller system.
- Simple structure, small volume, and cost effective.

## Technical Parameters

Model	EESW03-12
<b>Wind Turbine Input</b>	
Rated input power	300W
Rated input voltage	14Vdc
Input voltage range	0~16Vdc
Rated input current	25A <sub>dc</sub>
Wind turbine manual brake	Keep press the button for 5s to unload completely, and then recover by hand.
Brake by over current	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
<b>Charge Parameters</b>	
Rated battery voltage	12V
Temperature compensation function (optional)	-3mV/°C/2V
<b>Output Parameters</b>	
Rated output voltage	12V
Output overvoltage point	14.5V (factory default,11Vdc~16Vdc settable)
Output overvoltage recovery point	13.2V (factory default, reduce 1.3V from the output overvoltage point)
Max. Output current	25A

<b>General Parameters</b>	
Rectifier mode	Uncontrolled rectifier
Display mode	LED
Monitoring Contents	Battery voltage, Brake status
Lightning protection	YES
Conversion efficiency	≥95%
Static loss	<0.5W
Environment temperature	-20℃ ~ +40℃
Humidity	5%~95%,No condensing
Noise	≤65dB
Cooling mode	Natural cooling
Installation mode	Wall-mounted
Cover protection class	IP53
Product dimension (W*H*D)	105x120x49mm
Product net weight	0.8kg
<b>Note: the listed specs are just for your reference</b>	