

EEWSB Series

400W 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

- Apply for independent wind & solar hybrid system, lighting system and monitoring system.
- LED Display

Technical Parameters

Model	EEWS04-24B
Wind Turbine Input	
Rated input power	400W
Rated input voltage	28Vdc
Input voltage range	0~32Vdc
Rated input current	17A _{dc}
Manual brake	Press button “READ” “SET” at the same time to unload completely. Then recover by hand.
Brake by over current	17A (factory default, 0~17A settable) Unload completely when reached the set current, and recover automatically after working 10mins.
Brake by overvoltage	Refer to “output overvoltage” control
PV Input Parameters	
Rated input power	200W
Max. open circuit voltage	48V
Rated input current	9A
Reversed connection protection	YES
Charge Parameters	
Rated battery voltage	24V
Temperature compensation function (optional)	-3mV/°C/2V

Output Parameters	
Rated output voltage	24V
Output overvoltage point	29V (factory default, 22Vdc~32Vdc settable)
Output overvoltage recovery point	26.4V (factory default, reduce 2.6V from the output overvoltage point)
Max. Output current	17A
DC Load Output Parameters	
Output loops	2 loops
Output control mode	Both 2 loops could be set in 7 modes, such as light control on&off, light control on and time control off.
Output voltage range	21.6V~32V
Undervoltage recovery point	Refer to "rated battery voltage"
Rated output current	10A/each loop
Overload protection	120% rated DC output -1min, 150% rated DC output -10s
Short circuit protection	200% rated DC output, instant protection
General Parameters	
Rectifier mode	Uncontrolled rectifier
Display mode	LED
Display information	Battery voltage, light control voltage, 1st loop output mode, 2nd loop output mode. Brake guidance.
Lightning protection	YES
Conversion efficiency	≥95%
Static loss	<0.5W
Environment temperature	-20°C ~ +40°C
Humidity	5%~95%, No condensing
Noise	≤65dB

Cooling mode	Natural cooling
Installation mode	Wall-mounted
Cover protection class	IP53
Product dimension (W*H*D)	123x150x62mm
Product net weight	0.8kg
Note: the listed specs are just for your reference	

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