

600W24V Wind turbine system

Wind turbine



Model	FS-600
Rated voltage	24V
Rated output power	600W
Blade material & quantity	Aluminum alloy *3
Rotor blade diameter	2.4 / 2.5m
Start-up wind speed	2.5m/s
Cut-in wind speed	3m/s
Rated wind speed	10m/s
Safety wind speed	35m/s
Rated rotating speed	450rpm
Brake & Speed control	Electromagnetic controll, automatic headwind, dump load
Turbine weight	36kg
Generator type	3-phase AC synchronous permanent magnet

Wind turbine controller



Technical Parameters

Model	WWS06-24
Rated input power	600W
Rated input voltage	28Vdc
Input voltage range	0~32Vdc
Rated input current	25Adc
Brake by hand	Press button “Enter” “Esc” at the same time to unload completely. 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
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 Parameters	
Rated input power	300W
Max. open circuit voltage	48V
Rated input current	13A
Reversed connection protection	YES
Charge Parameters	

Rated battery voltage	24V
Temperature compensation function(optional)	-3mV/°C/2V
Output Parameters	
Rated output voltage	24V
Start unload voltage	27V (factory default,22Vdc~32Vdc settable)
Complete unload voltage	29V(factory default, add 2V to the start unload voltage)
Max. Output current	25A
DC load output	
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	LCD
Display information	Battery voltage, wind turbine voltage/current/ power, PV power/voltage/current, light control-on voltage, light control-off voltage, time control duration, load current and so on.
Monitoring mode(optional)	RS232/RS485/RJ45/GPRS/Bluetooth/Zigbee
Monitoring Contents	Real-time display: Battery voltage, wind turbine voltage/current/ power, PV power/voltage/current, wind power generation capacity, solar power generation capacity, Battery status, wind turbine status, day and night, DC overload, DC load short circuit, and so on.
	Parameter setting: Output overvoltage point, wind turbine over current point, wind turbine start voltage, DC load

	overvoltage/undervoltage /undervoltage recovery point, output mode choice for two loops, light control on voltage, light control off voltage, and wind turbine brake settings.
Lightning protection	YES
Conversion efficiency	$\geq 95\%$
Static loss	$< 0.5W$
Environment temperature	$-20^{\circ}C \sim +40^{\circ}C$
Humidity	5%~95%,No condensing
Noise	$\leq 65dB$
Cooling mode	Natural cooling
Installation mode	Wall-mounted
Cover protection class	IP52
Product dimension(W*H*D)	150×143×83mm
Product net weight	1.8kg
Note: the listed specs are just for your reference	