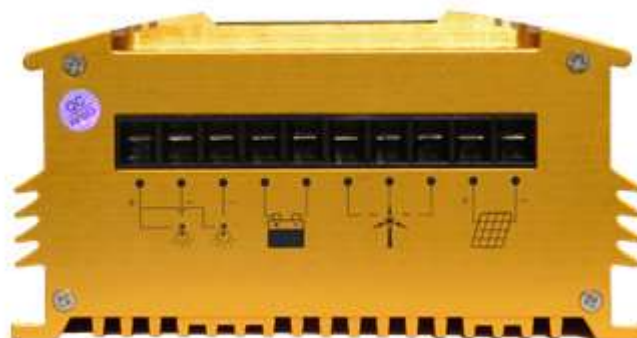


Wind solar hybrid controller (MPPT) MS-SWC900W



A, Product Overview:

MPPT Wind solar hybrid street-lighting controller is the firstly apply MPPT technology for the small power wind generator in China. With the application of this technology, the charge efficiency has vastly improved under the situation of low-wind, and obvious exceed the traditional PWM charging mode of 30%.

B, Characteristics

1> Feature

- . Boost circuit designed
- . MPPT technology to optimize using wind energy
- . Digital design, module structure, stable and reliable
- . Great protections for controller and battery
- . Dual-line output, light sensor and timer functions
- . 12V/24V auto detect
- . 200W~600W turbine universal
- . User can set the working parameters by the setting keys
- . Utility Power switch function (optional)
- . Monitor software offer to transfer data communication (optional)

2> Protect Function

- . Wind turbine speed limit protection
- . Solar panel open circuit protection
- . Reverse connect protection
- . Battery over-charge/discharge protection
- . Battery power failure protection
- . Battery power shortage protection
- . Overload protection
- . Short-circuit protection

C, Technical Parameters:

1. Wind generator control set-up definition

Rated wind turbine power	200W~600W
Wind turbine brake vol.(12V/24V)	15VAC/25VAC
Wind turbine brake current(12V/24V)	30A/20A

2. Solar panel set-up definition

PV max power(12V/24V)	150W/300W
PV max charge current(12V/24V)	12.5A

3. Battery management definition

Over-discharge vol.12V/24V)	10.5V/20.0V(Adjustable)
Over-discharge recovery vol.(12V/24V)	12.0V/24.0V(Adjustable)
Over-charge voltage(12V/24V)	15.0V/30.0V(Adjustable)
Over-charge recovery voltage(12V/24V)	13.5V/27.0V(Adjustable)

4. Output set-up definition

Each line output current	5A
Each line output power	60W/120W
MODE: A(Streetlight control model)	Light on/off; VSTH: 6V(Adjustable)
MODE: B(Streetlight control model) city-electric supply type	Light on/off; VSTH: 6V(Adjustable)
MODE: C(Monitor system control model)	24hrs continue output
MODE: D(Monitor system control model) city-electric supply type	24hrs continue output

5. General parameters

Indication	LCD(8*2 charge green backlight)
Display language	English
Static power consumption	<20mA
Operating Temp.	-30°C~55°C
Store Temp.	-35°C~80°C
Humidity	0%~98%(NC)
Tmp. compensation	-35mV/°C(25°C ref.)
Altitude	<2000mA
Protection class	IP55
Dimension	146*152*78mm
Net weight	1.2KG

* Our company reserves the right to change products and without notice when products update.