



WindMax Wind & Solar Hybrid Charge Controller 800W/12v and 1000W/24v Models

I. Introduction

16-bit microprocessor powered Solar/Wind Hybrid Charge Controller delivers electricity generated by both a wind turbine and solar modules into batteries. The controller has over-charge protection, low-voltage protection, pole-confusion protection and automatic dump-load function. The controller adopts the constant voltage charging mode-PWM, and it is reliable and safe with a highly efficient, long service life.

II. Technical Specifications

Controller Model	WindMax-12V-800W	WindMax-24V-1000W
Rated DC Voltage (V)	12Vdc	24 Vdc
Combined Wind/Solar Input Power (W)	800w	1000w
Overcharge voltage of wind generator	16 Vdc	16 Vdc
Resumed charging voltage after overcharge for wind generator	14.5 Vdc	14.5 Vdc
Overcharge voltage of solar Input	14.8 Vdc	14.8 Vdc
Resumed charging voltage after overcharge for solar input	12.9 Vdc	12.9 Vdc
Automatic recovery time (min)	35	35
Operation Ambient temperature	-20°C~50°C	-20°C~50°C
Protection Rating	IP20	IP20
Elevation (m)	<=5,500	<=5,500
Size (L X W X H) Inch	8.5" x 5.5" x 2.5"	8.5" x 5.5" x 2.5"

III. Operation Instructions



- 1 Shift the brake/release switch on front panel to “BRAKE” position.
2. Connect the wind generator 3 phase AC output to terminal “WIND TURBINE” on the front panel.
3. Connect solar panel output to terminal “SOLAR” on the front panel. Skip this step if solar panel is not used.
4. Connect battery to terminal "BATTERY” on the rear panel; make sure the positive & negative poles of battery are connected correctly.
5. Shift the brake/release switch on front panel to “RELEASE” position.