

THE POWER OF NATURE



Hetronix™ Wind Turbine Systems

WindCharger WCHG483000

Features and Specifications

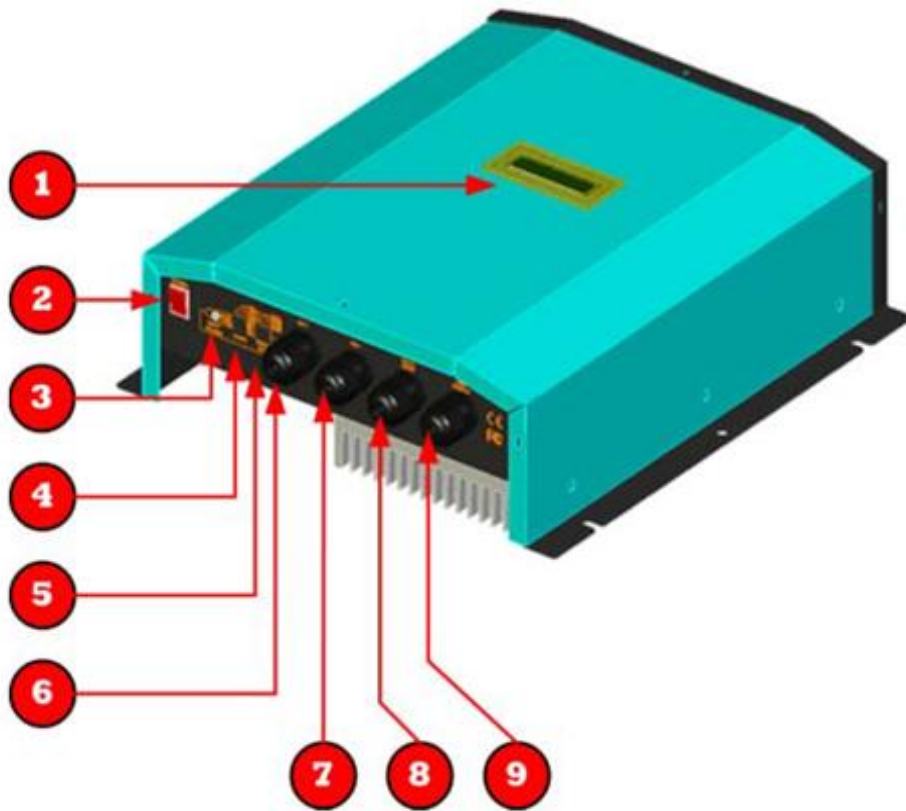
Product Features

- Control mode selection: You can choose charger discharge time based on demand, is divided into 16 load regulation (0 ~ F).
- Charge Indicator (Charging LED): Charging the direction and Maximum Power Point Tracking (MPPT) display.
- Battery Select: DIP Switch is divided into four paragraphs limit flow regulation.
 - (1) limited flow 40A: apply to 400Ah rechargeable battery.
 - (2) limited flow 30A: apply to 300Ah rechargeable battery.
 - (3) limit flow 20A: apply to 200Ah rechargeable battery.
 - (4) limited flow 10A: apply to 100Ah rechargeable battery.-The above proposals are used to protect the battery.
- LCD display information:
 - Input voltage and current value and Output voltage/current
 - revolutions per minute of the generator
 - Protection mode for; high generator speed, high battery voltage, battery overcharge and over voltage

Product Specifications

Specifications Summary	
Model	WCHG483000
Maximum input power	3000W
Input voltage scope (line voltage)	50~350Vrms
start / stop voltage	50V/40V
Maximum Efficiency	>85%
Standby Power	<5W
Battery	48VDC ; 200AH/350AH/500AH/600AH
Low Battery Protect	44Vdc ±1V
Floating Voltage	58V ±1V, 1min charging per 10min
Maximum Current	60 Amps
HID	LED status Indicator
Operating Temperature	-40°C ~ 40°C
Moisture Vapor Barrier	IP43
Dimensions in mm (LxWxH)	400 x 325 x 130
Weight	15kg

Part Name



1] LCD display information: Input voltage and current value and Output voltage/current, revolutions per minute of the generator. Protection mode for; high generator speed, high battery voltage, battery overcharge and over voltage.

2] Power Switch: System power switch

3] Charge Indicator (Charging LED): maximum work rate tracking (MPPT) display.

4] Maximum charge power flow constraints (Battery Select): (DIP switch DIP Switch), is divided into 4 limit flow regulation (1-4).

(1) limited flow 40A: apply to 400Ah rechargeable battery.

(2) limited flow 30A: apply to 300Ah rechargeable battery.

(3) limit flow 20A: apply to 200Ah rechargeable battery.

(4) limited flow 10A: apply to 100Ah rechargeable battery.

5] Battery Select: battery capacity choice.

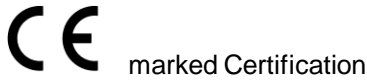
6] Battery +: Battery positive contact.

7] Battery -: Battery Negative contact.

8] WTPV Input: wind generator wiring R_S_T input.

9] CTRL Output: Brake Control wire.

Tested and Certified



Verification of MD & LVD Compliance

EN 61400-2: 2006 (Wind Turbine Generator Systems - Part 2: Safety of Small Wind Turbines)

EN ISO 12100-1: 2003, EN ISO 12100-2: 2003, EN 60204-1: 2006, EN 1050: 1996

Machinery directive: 98/37/EC

Low Voltage directive 2006/95/EC

Certified by SGS Taiwan LTD Electronics & Communication Services

Certificate No: EZ/2008/50037 C

Verification of EMC Compliance

EN 61000-6-2: 2005, EN 61000-6-4: 2007

EMC Directive: 89/336EEC amended by 2004/108/ EC

Certified by SGS Taiwan LTD Electronics & Communication Services

Certificate No: ED/2008/50046C



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