

# MPPT Charge Controller *WIND+*

Wind + MPPT Charge controller rectifies, controls and filter the energy produced by the wind turbine, and supplies energy suitable for battery charge, optimizing and generating the maximum possible energy output from the wind turbine, thanks to the Maximum Efficiency MPPT tracker.

Wind + wind turbine supplies three phases AC energy at a nominal voltage of 220 V.

Wind + MPPT Charge controller do all functionalities to rectify and extract the maximum power available from the wind, supplying DC energy at 12, 24 or 48 volts to the battery bank.

MPPT Charge Controller includes all security and control systems, with programmable configuration and control available to all kind of wind conditions.

Ask you nearest installer for a bigger information about all this new functionalities of the Wind + MPPT Charge Controller.



## Specifications

### Wind Turbine Input

Input	Three phases AC
Connectors	MC4
Operating Voltage Range	80 - 480 Vac
Maximum Voltage	510 Vac
Maximum power	3000 W (Wind 13+) / 6000 W (Wind 25+)
Braking resistors	5000 W (Wind 13+) / 10000 W (Wind 25+)
Overvoltage protection	Varistors

### Output

Current	DC
Conectors	2 x M10
Output voltage	12 / 24 / 48 Vdc
Protection	Output protected with a 125 Amp fuse.

### Operational

Stand by Consumption	< 3 W
Max. Power consumption	< 30 W

### Connections

Anemometer	Yes, optional
Communications	2 x RS485 / 1 x RS232
USB	1 x mini USB Type B female
Bluetooth	Optional with Bornay Bluetooth dongle
Emergency stop	Yes, brake switch
Remote emergency stop	Yes, with external interruptor
Relay	Free potential relay, COM, NO, NC
Digital auxiliary inputs	2

### Physical

Enclosure Rating	IP20
Material	Aluminium
Color	RAL7035
Cooling	Forced ventilation
Mounting System	Wall installation
Dimensions	508 x 597 x 190 mm
Packaging	585 x 660 x 275 - 0,10 m3
Weight	30 Kg (Wind 13+) / 35 Kg (Wind 25+)
Packaging weight	31,5 Kg (Wind 13+) / 36,5 Kg (Wind 25+)

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