

The Wind KID By Mario

MIDNITE MPPT CHARGE CONTROLLERS

MIDNITE SOLAR INC.

The industry's only 30 amp MPPT controller for Hydro or Wind!

The WIND KID was specifically designed to work with Hydro and Wind turbines of many makes and sizes. Fully programmable to work with virtually any micro turbine on the market. The WIND KID is able to SYNC with solar KIDs to coordinate charging (keeping in mind the 30 amp current limit of the WIND KID) on a single battery bank making the system perform more efficiently. Combined with the KID Clipper the system becomes very robust and trouble free.

The WIND KID includes AGS (Auto Gen Start) functionality as well as the ability to sync with standard (solar) KIDs

PRODUCT FEATURES

- MPPT Tracking
- Up to 150V input
- Auto Gen-Start
- 12V, 24V, 36V, 48V battery output
- Up to 30 amps battery output
- No fan
- Reverse polarity protected
- 3 LED bar graph for battery status at a glance
- Keypad for access to extensive menu items and set points
- Includes wall mount adapter (Boat mount bracket available)
- Sealed for harsh environments
- THE KID IS CERTIFIED TO UL1741, UL458 (MARINE SUPPLEMENT) & CSA
With the UL458 marine supplement, THE KID meets very strict vibration, environment, and thermal requirements.
- Built in Arlington, WA USA

Why customers would buy a Wind Kid rather than a competitors controller.

- It's made right here in Arlington, Washington USA by US workers
- It costs much less than than competitive controllers
- It can handle Wind or Hydro turbines with true MPPT tracking or using the many unique settings available for customizing it to a specific turbine
- It has generator start with gen start verification (find THAT in a Chinese controller!)
- It has no fans and is sealed for harsh environments
- It's backed by a 5 year warranty
- The Wind KID is supported by the best technical support team in the USA



Made in the USA!



www.midnitesolar.com

17722 67th Ave. NE., Arlington, WA. 360-403-7207 FAX: 360-691-6862

The Wind KID

MIDNITE MPPT CHARGE CONTROLLERS



PRODUCT SPECIFICATIONS

Operating Input Voltage	150VDC
Nominal Battery Voltage	12V through 48V
Maximum Output Current	30A
Auto Gen-Start	YES
Class 1 Div 2 Certified	Optional
Open Circuit Voltage VOC	150VDC
Charging Regulation	Bulk, Absorb, Float as well as Equalization
Battery Voltage Range	9V TO 64V
Equalization Charging	Adjustable Voltage and Duration
Battery Temp Compensation	Automatic when BTS is installed, Adjustable mV per degree C per 2 volt cell
Programmable Auxiliary Control Output	1 - I/O communication port
Whizbang Jr. Communication Port	YES
Status Display	LCD plus status LEDs
Networking Cabling	Standard 4 conductor phone cable, no hub needed
Communications	RS232 openly published protocols and USB
Wind & Hydro	Standard
Operating Temperature	Min. of -40C to 50C - Controller will auto derate as temperature rises above 25C
Environmental Rating	Indoor IP52 type 1, Conformal coated for harsh environments
Conduit Knock Outs	2
Warranty	5 Year
MNKID-HWB Weight	6 Lbs
Dimensions	9 1/4"L x 5"H x 3 5/16"W (23.5CM x 12.7CM x 8.4CM)
Shipping Dimensions	12"L x 8"H x 6"W (30.48CM x 20.32CM x 15.24CM)
Options	3 ft network cable, external load, boat mount bracket
Certifications	ETL for US & Canada, CE Certified, FCC Class B, CSA C22 #107.
Battery Types	Flooded, AGM, Gel, Calcium SMF, Lithium BMS, Custom
UL1741 & UL458 (Marine Supplement)	With the UL458 marine supplement, THE KID meets very strict vibration, environment, and thermal requirements

