THE KID By Mario **MIDNITE MPPT CHARGE CONTROLLERS**

The finest 30 amp MPPT charge controller!

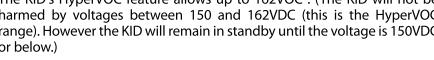
The KID is the most versatile medium sized charge controller on the market. Ideal for small renewable energy systems. The KID allows for true input paralleling. As your power needs grow, add more modules to the array and a second KID. This will give twice the power from a single array.

The KID is now available with Gen-Start and an advanced Lighting Controller. Check online for more information! (www.midnitesolar.com/kid)

PRODUCT FEATURES

- MPPT Tracking
- True paralleling Inputs and Outputs for two KIDs
- Up to 150V input
- · Now available with Auto Gen-Start
- MidNite's exclusive HyperVOC extends the input voltage beyond 150 VOC for cold climates
- 12V, 24V, 36V, 48V battery output
- · Lighting Controller: dusk+hours, daylight and night-light settings
- Up to 30 amps battery output
- No fan
- Reverse polarity protected
- Battery Temp Sensor standard with marine version
- Front panel exchangeable fuses for battery, input and load/clipper.
- 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 included on marine versions)
- 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

The KID's HyperVOC feature allows up to 162VOC. (The KID will not be harmed by voltages between 150 and 162VDC (this is the HyperVOC range). However the KID will remain in standby until the voltage is 150VDC or below.)





Standard version



Marine version is available in black or white

Made in the USA!



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THE 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

Open Circuit Voltage VOC 150VDC + HyperVOC (162VOC)

HyperVOC (See page bottom) Extended VOC range for cold climates

Charging Regulation Bulk, Absorb, Float as well as Equalization

Battery Voltage Range 9V TO 64V

Equalization Charging Adjustable Voltage and Duration

Battery Temp Compensation (BTS) Automatic when BTS is installed, Adjustable mV per degree C

Optional (standard on Marine version) 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

Load Terminal 30A configurable as battery load

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

Lighting Controller Highly customizable via keypad (dusk + hours, daylight and

night-light)

True Paralleling Inputs and Outputs between 2 units with smart active

current sharing

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

HyperVOC: A non-operative VOC safety zone over and above the maximum input voltage for cold climates

