

# 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
PV 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 (Standard marine version - optional otherwise)	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
Load Terminal	30A configurable as battery load or wind clipper
Solar	Standard
Wind & Hydro	NO (standard on the WIND KID MPPT Charge Controller)
Operating Temperature	Min. of -40C to 50C - Controller will auto derate as temperature rises above 25C
Environmental Rating	Indoor IP52 type 1 (IP53 with drip shield)
Conduit knock Outs	2
Warranty	2 Year
Lighting Controller	Highly customizable via keypad (dusk+hours, daylight and night-light)
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	3ft. network cable, external load, boat mount bracket
Certifications	ETL for US & Canada, CE Certified, FCC Class B, CSA C22.#107.1
True Paralleling	Inputs and Outputs between 2 units with smart active current sharing
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.*