

THE CLASSIC150-RCM

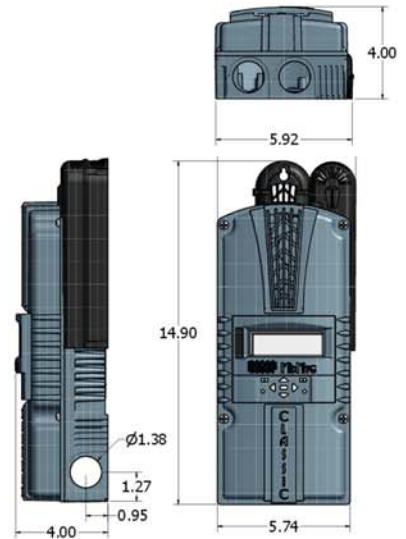
MPPT CHARGE CONTROLLER

The most powerful MPPT charge controller on the market at a great price!

The Classic150-RCM substantially increases the flexibility, features and range currently found on MPPT controllers at an incredible price. The Classic 150 RCM MPPT Charge Controller is IEC 62109 listed. Includes Ground Fault, free web monitoring, a graphics panel and Solar, Hydro and Wind Modes.

PRODUCT FEATURES

- Manual and Auto EQ
- Built in DC-GFP and
- Communicates with the Clipper and Whizbang Jr.
- Mymidnite.com: Online Status Monitoring
- Full Internet capability
- Remote and local displays possible
- 150 operating voltage
- Exclusive HyperVOC extends VOC limits
- 380 days of daily history, 24 hours of data at 5 minute intervals
- 12-72V battery charging standard
- Solar, Wind and Hydro MPPT modes
- Communications - Ethernet, Modbus and RS232
- Parallel operation for multiple Classic systems
- IEC and CEC Classified
- Made in America



Included: Local Application for local network or worldwide command and control of all Classic functions.



Classic150-RCM MPPT Charge Controller

| | |
|--|---|
| Nominal Battery Voltage | 12 Through 72 volts |
| Maximum Output Current | Classic 150 and 150 Lite = 96A on 12V, 94A on 24V and 86A on 48V battery |
| PV Open Circuit Voltage VOC <i>(NOTE: See HyperVOC at bottom)</i> | Classic150 = 150V + HyperVOC (battery voltage up to 48V) <i>Example 150V + 48V = 198VOC</i> MPPT Voltage Range 15-150vdc |
| Power Conversion Efficiency | 98% (Typical system) |
| Maximum Stand-By Self-Consumption (12V) | 2.8W - 4W |
| Reverse Current At Night | Zero - Internal relay for reverse current |
| Low Battery Voltage | Low Battery voltage disconnect and re-connect of loads fully programmable with 2 Auxiliary outputs to control external load disconnect /re-connect switches |
| Hyper VOC <i>(NOTE: See HyperVOC at bottom)</i> | Standard all models - Extended VOC range for cold climates |
| Arc Fault Protection | Not included |
| Ground Fault Protection | Standard all models - resettable, no fuse to blow |
| Charging Regulation | Bulk, Absorb, Float as well as Equalization |
| Battery Voltage Regulation Set Points | 10-100VDC |
| Equalization Charging | Adjustable Voltage and Duration, Manual or Auto |
| PV Reverse Polarity | Protected to Max VOC (Fully protected from reverse current on both input and output) |
| Battery Reverse Polarity | Fully protected |
| Battery Over Voltage | Fully protected |
| Battery Short Circuit | Fully protected |
| Battery Temp Compensation | Automatic when BTS is installed, Adjustable mV per degree C per 2V cell |
| Programmable Auxiliary Control Output | 2 Auxiliary outputs, Aux1 can be 12V out or dry contact, Aux2 is 12V out or Logic IN |
| Graphic Display | Graphical display - MNGP |
| Networking Cabling | Standard 2 conductor phone cable, no hub needed |
| Communications | RS232, Ethernet and ModBus openly published protocol |
| USB Communications | Not Included |
| Remote Display | Display (MNGP) can be relocated and a second display can be added |
| Remote Monitoring And Control | Local Application software included allows viewing and control from the network or over the Internet. MyMidNite.com - online status monitoring |
| Internet Ready | YES |
| Data Logging | 380 days of daily history, 24 hours of data at 5 minute intervals |
| Positive Ground Applications | Requires 2 pole input and output breakers |
| Operating Temperature | Minimum of -40C to 50C - Controller will auto derate as temperature rises above 25C |
| Environmental Rating | Indoor type IP20 |
| Conduit knock Outs | Single 1" conduit (35.05mm) on left and right sides. Two 1" conduit (35.05mm) on bottom. Two 3/4" conduit (27.76mm) on back. |
| Warranty | 5 Year standard |
| Weight & Dimensions | 12 Lbs. (5.45 kgs) - 14.9" x 6" x 4" (378mm x 152mm x 102mm) |
| Shipping Dimensions HxWxD | 19" x 8.5" x 5.7" (482.6mm x 215.9mm x 144.78mm) |
| Options | MNGP graphical display, 3ft networking cable |
| Certifications | CE Certified, FCC Class B, IEC and CEC listed |

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

NOTE: Turbine short circuit protection is provided by the additional MidNite Clipper
Turbine voltage and speed protection provided when used with MidNite Clipper