



Classic MPPT Charge Controller Comparison Chart



Real Classics only come around once in awhile. The CLASSIC MPPT Charge Controller for Solar, Wind, and Hydro energy systems delivers what designer/installers want and system owner/operators need! The Classic is the ONLY MPPT controller available with Arc Fault Protection, insuring safer systems. Four models offer the flexibility to meet individual needs, something no other Charge Controller offers.

| CLASSIC MPPT CHARGE CONTROLLER COMPARISON CHART | | | | | | | |
|---|----------------------------|-------------------|-------------------|----------|----------|-------------|-----------------------|
| Manufacturer | MidNite | OutBack | | Blue Sky | Xantrex | Morningstar | Apollo |
| Model | ¹ Classic 150 | FM60 | FM80 | 3048DL | XWMPPT60 | TSMPPT60 | TS80 |
| Rated Amps | 80 - 96 | 60 | 80 | 30 | 60 | 60 | 80 |
| Max Operating Voltage | 150 | 145 | 145 | 112 | 140 | 150 | 112 |
| Max VOC | ² 162, 175, 200 | 150 | 150 | 140 | 150 | 150 | 200 |
| Max Battery Voltage | 72 | 60 | 60 | 48 | 60 | 72 | 48 |
| Solar | ● | ● | ● | ● | ● | ● | ● |
| Wind | ● | | | | | | |
| Hydro | ● | ● | ● | | | | |
| List Price With Display | \$850 | \$749 | \$849 | \$649 | \$685 | \$793 | \$849 |
| Cost Per Amp With Display | \$10.63 | \$12.48 | \$10.61 | \$21.63 | \$11.42 | \$13.22 | \$10.61 |
| Digital Display | ● | ● | ● | ● | ● | Option | ● |
| Internet Ready | ● | \$595 Option | | | | ● | \$398 Option |
| Ground Fault Detector | ● | | | | ● | | |
| Arc Fault Detector | ● | | | | | | |
| Wizard Setup | ● | | | | | | |
| Graphical Display | ● | | | | | | |
| Free User Upgradeable Firmware | ● | | | | | ● | |
| Multiple Display Support | ³ MNGP | ⁴ MATE | ⁴ MATE | SB50RD25 | XW-SCP | TS-RM-2 | ⁵ RD-Wired |
| Aux Output | 2 | 1 | 1 | | 1 | | 2 |
| Aux Input | 1 | | | | | | |
| Sealed Or Vented Configurable | ● | | | | | | |
| Warranty (Years) | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Oscilloscope Display | ● | | | | | | |
| Battery Status Meter | | | | | | | ● |
| Substantually Made In USA | ● | ? | ? | ? | | | |
| Voice | ● | | | | | | |
| Partial Shading Indicator | ● | | | | | | |
| Sunrise/Sunset Map Of World | ● | | | | | | |
| Bonus Amps Based On Voltage | ● | | | | | | |
| ModBus Communications | ● | | | | ● | ● | |
| External Shunt Input | | | | ● | | | |
| HyperVOC Extended VOC Limit | ● | | | | | | |

¹ The Classic comes in four models, 150, 200, 250, and 250KS
² This number is based on the max operating voltage of the unit plus nominal battery voltage.

³ The Classic MNGP display and/or a secondary display can monitor many controllers. The MNGP display can be removed from the Classic and used remotely.
⁴ If more than one controller is used you must also add a hub 4 or hub 10.
⁵ Wireless remote and Internet available with additional purchases

A True Classic has flexible MPPT performance with Arc Fault Protection for added safety with features not offered by the competition.

- A Classic design with unparalleled performance and flexibility!
- 12V-120V battery charging.
- Built in DC-GFP.
- Internet ready via Ethernet. Additional communications via USB and RS232.
- Data Logging to 20 MB.
- Classic's display can be removed and mounted up to 1000 feet away.
- Classic will support two displays.
- Our setup Wizard walks you through all the steps necessary to tailor your unique system.
- Did we mention American Made! American Quality! American Jobs!