

PV MPPT CHARGE CONTROLLER

MX60



The OutBack MX60 Maximum Power Point Tracking (MPPT) charge controller enables your PV system to achieve its highest possible performance. The MPPT feature can give you up to **30% or more power** from your PV panels!

Rated for up to **60 amps** of DC output current, the OutBack MX60 can be used with battery systems from 12 to 60 vdc with PV open circuit voltage as high as **140 voc**. The MX60's setpoints are fully adjustable to allow use with virtually any battery type, chemistry and charging profile.

The OutBack MX60 allows you to use a higher output voltage PV array with a lower voltage battery - such as charging a 24 vdc battery with a 48 vdc PV array. This reduces wire size and power loss from the PV array to the battery location while maximizing the performance of your system and **saving you money!**

The OutBack MX60 comes standard with an easy to use and understand display. The four line, 80 character, backlit LCD display is used for programming and monitoring of the system's operation including built-in **Data Logging** with 64 days of memory. Daily and Total PV production in Amp hours & kWh and is user resettable.

The OutBack MX60 can also be connected to the OutBack MATE system controller and display to allow monitoring from a distant location - **up to 1000 feet (305M) away**. The MATE also includes an opto-isolated RS232 port for connection to a PC computer for system monitoring. Please see; www.RightHandEng.com/OutBack for a free PC software trial version!

SPECIFICATIONS	MX60
Output Current	60 amps DC Rated Adjustable to 70 amps Maximum
Nominal Battery Voltage	12, 24, 32, 36, 48, 54 or 60 VDC (programmable)
PV Open Circuit Voltage	140 VDC Maximum
Standby Power Consumption	1 watt typical
Charging Regulation Methods	Five Stage: Bulk, Absorption, Float, Silent, Equalization
Voltage Regulation Setpoints	13 - 80 VDC
Equalization Voltage	Up to to 5.0 VDC above Absorb Setpoint Adjustable Timer - Auto Terminate
Temperature Compensation	-5.0mV/°C/Cell
Voltage Step-Down Capability	Can charge a 12 or 24 VDC battery from a 48V nominal PV array
Power Conversion Efficiency (typical)	99% @ 50 amps Output, 48V battery and 48V array
Digital Display	4 line 80 character backlit LCD Display (30 different screens also available in Spanish!)
Remote Interface	RJ 45 Modular Connector CAT 5 Cable 8 wire
Operating Temperature Range	-40° to 60°C Power derated above 25°C
Environmental Rating	Indoor Type 1
Conduit Knockouts	Two 1/2" & 3/4" on the back; One 3/4" & 1" on each side; Two 3/4" & 1" on the bottom
Warranty	Two years parts and labor Optional Extended Warranty Available
Dimensions	Enclosure: 14.5 " H x 5.75" W x 5.75" D Shipping box: 17.75" H x 10" W x 7" D
Shipping Weight	12 lbs. - 5.4 kg

Specifications subject to change without notice. Please check our web site for additional specifications and application guidelines.

MX60 60 Amp MPPT Charge controller.....\$649.00
RTS Remote Temperature Sensor.....\$29.00



- Arlington WA 98223 USA

Tel 360-435-6030

www.outbackpower.com