

I think the switch to the MX60 made the biggest difference. I was instantly getting 1700+ watts from my 1920 watt solar array on 90 degree F days. I never got a combined output of over 1400W before, using the three C40's.

Jason  
Satisfied Customer

I recently upgraded my system's CC from an old (but venerable) Heliotrope CC120 to the new MX60.

My normal peak output was 30 amps @ 26 volts. With the MX, my output is upwards of 35.5 amps at the same voltage! The addition of long term data logging and it's ability to divert power to my hot water system when the batteries are full, are Great features.

Thanks for the really great product! I have no reservations in recommending it to all my Customers.

Tom Carpenter  
PV Installer

I recently upgraded my photo-voltaic system's charge controller to OutBack's MX60 and I wish I had done it sooner! It's amazing the difference I've noticed, especially at the high end.

With the MX60, on a sunny day it's ability to utilize it's "maximum power point tracking" is like adding thousands of dollars worth of solar panels for slightly more than \$500. Plus the logging feature lets me keep track of how much sun I've had for each of the 64 days. I also reset the monthly log total to keep track of each month's total of Kilowatts generated. Previously I needed two or three days of total sunshine for my generator not to go on; now I only need half a day of sunshine.

I am AMPED to be an OutBack owner!!!

Aaron Evans  
Satisfied Customer

After 20 years and more than 200 off grid PV systems, I have tried lots of charge controllers, but until now I struggled to get multiple controllers to work together and not over/under charge the batteries. Equalizing was always guesswork.

With the latest version of your MX60 charge controller OutBack has made it easy to build and operate systems that can function better than your local utility. I use the MX60 in all my new systems. The MX60 max power point controller allows strings of three 24V solar panel and still use 48/24 or even 12v battery banks. But what really knocks me out is that the MX60 is the least expensive controller when you factor in the boosting of power and ability to connect over 3000 watts of solar panels to one controller. The list of great features is so long I could heap praise on it for a couple more pages.

I've got to hand it to you guys, you really have your engineering down.

Chris Cookman  
PV Installer

POSTAGE

**OutBack**  
Power Systems

**OutBack**  
Power Systems

**MX60**

**PV Maximum Power Point Tracking  
Charge Controller**



www.outbackpower.com



## DATA LOGGING

64 days of power production is viewable on the LCD display  
Amp hour, Watt hours and time in float are logged

## SAVE MONEY ON WIRE

High voltage PV input, lower voltage batteries  
Use with PV arrays up to 140VOC with 12V to 60V batteries

## 80 CHARACTER DISPLAY

4 line 20 character backlit display is standard for viewing all data

## HIGH EFFICIENCY

97% TO 99% efficiency throughout the entire operating range

## PROGRAMMABLE AUX OUTPUT

Can be used for load diversion, vent fan, low battery disconnect etc.

## EASY MENU DRIVEN SETUP

No dip switches or jumpers to set and move.

## ADJUSTABLE BATTERY VOLTAGES

Can be used with 12, 24, 36, 48 and 60V battery banks.

## SAFE EQUALIZE FUNCTION

The MX60 has an automatic terminate feature. You do not have to turn it off.

## LOW NIGHT TIME POWER DRAW

Standby consumption is 1 watt typical

## FIVE STAGE CHARGING PROCESS

Bulk, Absorption, Float, Equalize and Silent

## TEMPERATURE COMPENSATION

-5mV °C/Cell with optional RTS (Remote Temp Sensor)

## POSITIVE GROUND SYSTEMS

Can be used in Telcom sites utilizing positive grounding

## GRID INTERTIE SYSTEMS

The MX60 is a must on a battery backed up Grid Intertie system

## WARRANTY

Two years standard, Five year extended warranty is available from factory

## IT IS REALLY A 70 AMP CONTROLLER

Current limit can now be set for up to 70 amps DC Max Output

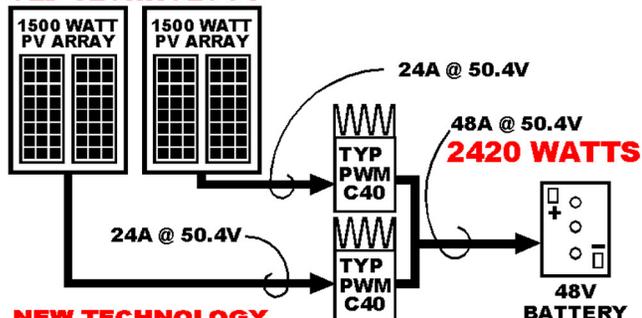
## COOLNESS FACTOR

The Art Deco look alone gives you bragging rights

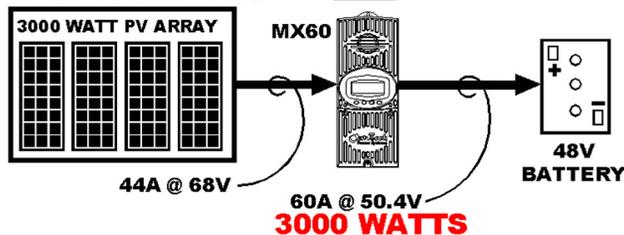
### Recommended Maximum PV Input

12V Battery: 750 Watt PV Array  
24V Battery: 1500 Watt PV Array  
48V Battery: 3000 Watt PV Array

### OLD TECHNOLOGY



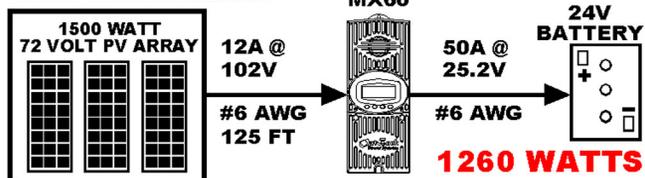
### NEW TECHNOLOGY



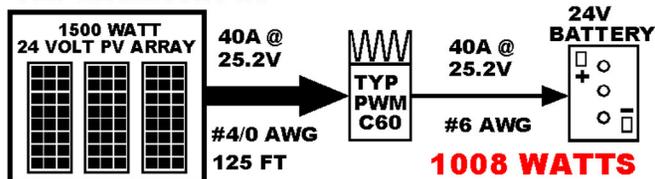
**THE MX60 PRODUCES UP TO 30% MORE POWER!**

**IF THE PV PANELS COST \$4.50 PER WATT, THEN THE EXTRA 600 WATTS IS WORTH \$2700 DOLLARS.**

### NEW TECHNOLOGY



### OLD TECHNOLOGY



**MX60 WITH 250 FT @ \$0.25/FT = \$62.50 WIRE COST**

**C60 WITH 250 FT @ 2.00/FT = \$500.00 WIRE COAT**

**\$437.50 SAVINGS!**

**AND YOU GET 30% MORE POWER!**

# MX60 MPPT

## ONE CONTROLLER DOES IT ALL PV ARRAYS UP TO 140 VOC BATTERY BANK 12 TO 60VDC

Shown here is a PV array consisting of eighteen 24volt 150W to 180W modules. The battery bank is a 48V system

