

# System Display and Controller

## MATE & MATE2

The MATE system display and controllers are complete management tools for your OutBack Power system. Through the use of a single MATE you can remotely manage and monitor multiple inverter/chargers, charge controllers and monitoring devices.

The MATE and MATE2 are packed full of features to make system management simple. The easy-to-read 3.1" (8 cm) LCD is backlit for dark operating conditions. Four soft keys allow easy context-based navigation of menus and functions. Two hot keys give immediate access to AC and inverter functions.

A built-in clock and calendar function enables timer-based programming of inverter and charger operation. This permits you to set the system to work with time-of-day power rates or to limit a generator's run time to a specific time period of the day or week. All of your settings are stored in permanent memory to eliminate the need to reprogram in the event of a system shutdown or battery replacement. The MATE and MATE2 include a RS232 port with DB9 jack for connection to the serial port of a PC computer. The MATE system display and controller is surface-mounted while the MATE2 is flush-mountable in a wall cut-out.



**MATE**



**MATE2**

### MATE Specifications

MATE	Grey	Surface-mount
MATE_B	Black	Surface-mount
MATE2	Black	Flush mount
Interface Display	3.1" (8 cm) backlit LCD - four line, 80 alpha numeric characters	
Control Keypad	6 backlit silicone keys - dedicated inverter and AC input keys	
Status Indicators	Two LED Status Indicators - AC input (yellow), inverting (green)	
Communication Protocol	Proprietary OutBack Multi-drop using an OutBack HUB4 or HUB10	
Interconnection Cabling	Standard CAT 5 network cable with RJ45 modular jack - 10' (5 m) included	
PC Computer Interface	RS232 opto-isolated DB9 jack 9600 baud serial communication	
Microprocessor	16 MHz low power consumption version	
Set point and Data Memory	32K non-volatile flash RAM	
Clock / Calendar	On-board real time clock with battery backup	
Environmental Rating	Indoor Type 1 (IP 30)	
Maximum Cable Length	1000' (300 m)	
Warranty	Standard 2 year / Optional 5 year	
Weight	Shipping	1 lb (.5 kg)
Dimensions (H x W x L)	Shipping	5.75 x 4.25 x 2" (15 x 11 x 5 cm)