

### Three Reasons to Choose the MATE3 Advanced System Display and Communications from OutBack Power:

#### 1. ENGINEERED FOR RELIABILITY

- Extensive quality and reliability testing
- 15 years of experience manufacturing products for fault-intolerant, mission-critical applications
- Standard 5 year warranty

#### 2. DESIGNED FOR PERFORMANCE

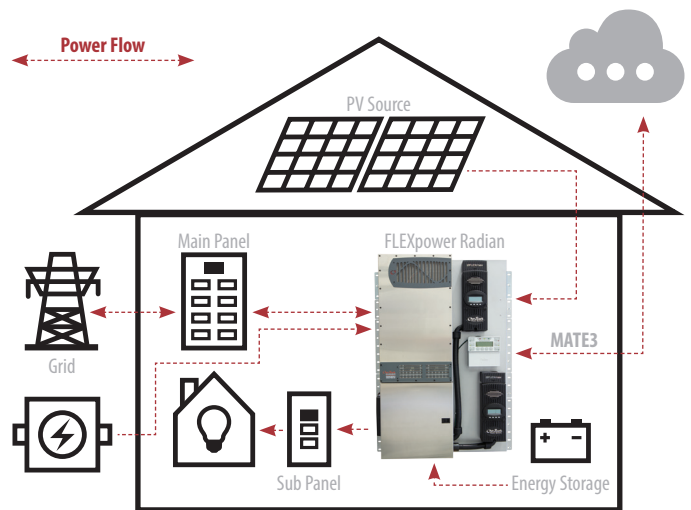
- Monitor, command and control from any internet-connected device with OPTICS RE
- OutBack network integrated and programmable
- Intuitive user interface and menu structure to program, manage and monitor the entire system
- Easy-to-read graphical display
- System configuration wizard
- Built-in clock and calendar function
- FLEXtime setting enables working with time-of-day power rates
- Up to 1 year of data logging
- SD memory card slot

#### 3. EASY TO MAINTAIN

- Global technical support
- Field-upgradable to accommodate new features



### OutBack MATE3 Typical System Integration (w/ FLEXpower Radian):



**OUTBACK POWER — MASTERS OF THE OFF-GRID. FIRST CHOICE FOR THE NEW GRID.**



#### MAKE THE POWER

- FLEXpower Integrated Systems
- Inverter/Chargers & Charge Controllers



#### STORE THE ENERGY

- EnergyCell RE, GH, NC and OPzV Batteries
- Battery Enclosures and Racking



#### MANAGE THE SYSTEM

- OPTICS RE System Monitoring and Control
- MATE3 System Display and Communications

<b>Model:</b>	<b>MATE3</b>
<b>Display</b>	4.0 x 1.2" full graphical display
<b>Quick System Access</b>	5 system operation hot keys, 4 user programmable soft keys
<b>Status Indicators</b>	(9) LED indicators
<b>Navigational Controls</b>	5 navigational keys
<b>Setpoint Adjustment</b>	Touch sensitive scroll wheel
<b>Communication Protocol</b>	Proprietary OutBack communications protocol
<b>Interconnect Cabling Included</b>	Standard CAT5 network cable with RJ-45 modular jack - 6' (2m) included
<b>PC Computer Interface</b>	HTML system status dashboard over local intranet connection
<b>Field Update Capability</b>	Yes (includes Radian Series inverter/chargers, FLEXmax Series charge controllers [rev 3.0 or higher] and FLEXmax Extreme charge controller)
<b>Microprocessor</b>	80MHz 32 bit processor
<b>Set Point and Data Memory</b>	8Mb RAM/ 64Mb of flash RAM
<b>Clock/Calendar</b>	On-board real time clock with battery backup
<b>Operating Temperature Range</b>	0 to 50°C
<b>Mounting</b>	Surface-mount (various brackets available)
<b>Environmental Rating</b>	Indoor Type 1 (IP 30)
<b>Maximum Cable Length</b>	300' (100m)
<b>Optional Accessories</b>	MATE3 USB card
<b>Warranty</b>	Standard 5 year Warranty
<b>Weight (lb/kg)</b>	<b>Unit:</b> 1.4 / 0.64 <b>Shipping:</b> 3.0 / 1.36
<b>Dimensions H x W x D (in/cm)</b>	<b>Unit:</b> 7.1 x 7.5 x 1.6 / 18 x 19 x 4.1 <b>Shipping:</b> 3.25 x 9 x 13.5 / 8.26 x 22.9 x 34.3

**Optimize with OPTICS RE**

It's a powerful advantage... the ability to see the electricity you produce and consume. To monitor and control your renewable energy system with the touch of a button from any internet connected device—anywhere in the world. Real-time status and hands-on control of your power flow and energy storage. Track individual system performance or manage a network of dispersed systems.

**Main House**  
61°F, 16°C  
Partially Cloudy

TOTAL ENERGY SINCE MAY 05, 2014

**76,584.6** kWh

- 5,973.60 gallons of gas saved\*
- 117,940 lbs of CO2 avoided\*
- Power an CFL light bulb for 8,182 months\*

CURRENT SYSTEM STATUS 10:51AM

Right Now, You are **SELLING**

- Solar 1.5kW
- Grid 0.1kW
- Load 1kW
- Generator 0.3kW

ENERGY FLOW: Solar 1.5 kW, Grid 0.1 kW, Load 1 kW, Generator 0.3 kW. Battery: 75% (48.2 V)

CURRENT SYSTEM STATUS 11:08AM

Right Now, You are **BUYING**

- Solar 0.1kW
- Grid 0.2kW
- Load 0.2kW
- Generator 0kW

ENERGY FLOW: Solar 0.1 kW, Grid 0.2 kW, Load 0.2 kW. Battery: 75% (26.6 V)