

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

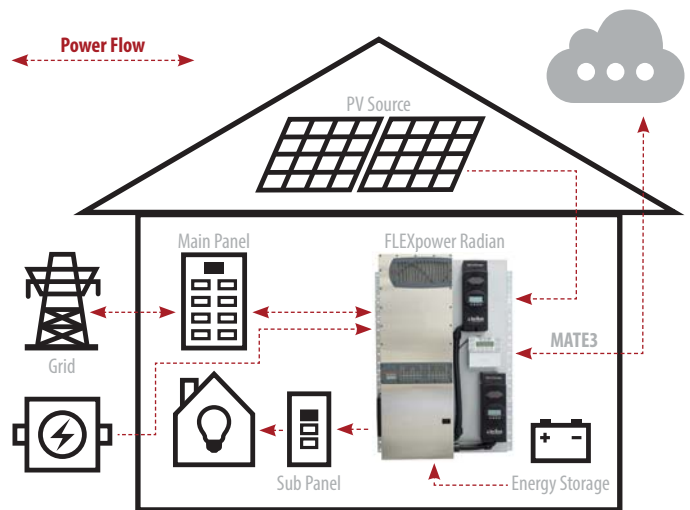
- Monitor, command and control from any internet-connected device with OPTICS RE
- OutBack network integrated and programmable
- Intuitive user interface and menu structure to program, manage and monitor the entire system
- Easy-to-read graphical display
- System configuration wizard
- Built-in clock 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

Model:	MATE3
Display	4.0 x 1.2" full graphical display
Quick System Access	5 system operation hot keys, 4 user programmable soft keys
Status Indicators	(9) LED indicators
Navigational Controls	5 navigational keys
Setpoint Adjustment	Touch sensitive scroll wheel
Communication Protocol	Proprietary OutBack communications protocol
Interconnect Cabling Included	Standard CAT5 network cable with RJ-45 modular jack - 6' (2m) included
PC Computer Interface	HTML system status dashboard over local intranet connection
Field Update Capability	Yes (includes Radian Series inverter/chargers, FLEXmax Series charge controllers [rev 3.0 or higher] and FLEXmax Extreme charge controller)
Microprocessor	80MHz 32 bit processor
Set Point and Data Memory	8Mb RAM/ 64Mb of flash RAM
Clock/Calendar	On-board real time clock with battery backup
Operating Temperature Range	0 to 50°C
Mounting	Surface-mount (various brackets available)
Environmental Rating	Indoor Type 1 (IP 30)
Maximum Cable Length	300' (100m)
Optional Accessories	MATE3 USB card
Warranty	Standard 5 year Warranty
Weight (lb/kg)	Unit: 1.4 / 0.64 Shipping: 3.0 / 1.36
Dimensions H x W x D (in/cm)	Unit: 7.1 x 7.5 x 1.6 / 18 x 19 x 4.1 Shipping: 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: 1.5 kW Solar, 0.1 kW Grid, 1 kW Load, 0.3 kW Generator. 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: 0.1 kW Solar, 0.2 kW Grid, 0.2 kW Load, 0 kW Generator. 26.6 V