

Three Reasons to Choose the EnergyCell RE Series from OutBack Power:

1. PURPOSE-BUILT

- Batteries designed for residential or light-commercial off-grid renewable energy power demands
- High density, thick pasted plates allow for high cycle life
- UL-recognized component
- AGM technology provides efficient gas recombination up to 99%
- Thermally welded case to cover bond prevents leakage

2. EASY-TO-INSTALL AND MAINTAIN

- VRLA-AGM technology means 99% gas recombination efficient, no periodic watering of cells, no retorquing of terminal connections, and no equalization charge under standard operating conditions
- Modular space-saving design when installed with IBR rack (200RE only)
- IBR racking included with intercell connects and front access to cell connections
- 2 year full replacement warranty
- OPTICS RE connectivity means real-time access to critical battery performance data
- Batteries and power electronics can be installed in the same area¹

3. SINGLE-BRAND SYSTEM SOLUTION

- Optimized to work seamlessly with OutBack power conversion equipment
- Ease of ordering with SystemEdge package configurations—to learn more visit www.outbackpower.com
- Single point of contact for all technical system inquiries
- Quality and reliability from OutBack Power assures customers receive the best technologies for renewable energy systems in the market today

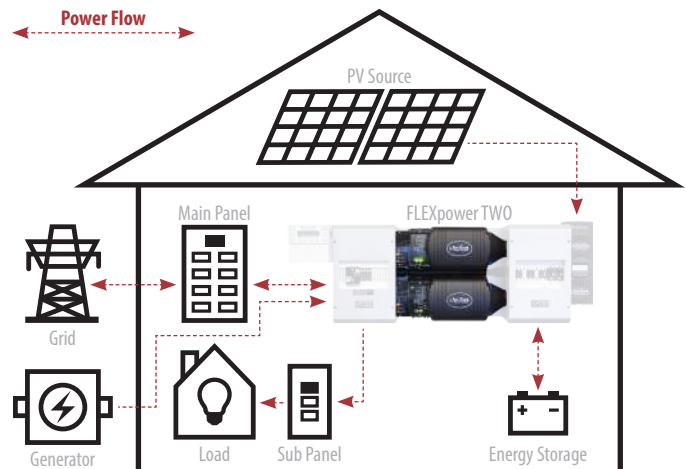


Front Terminal



Top Terminal

OutBack EnergyCell RE Series Typical System Integration:



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



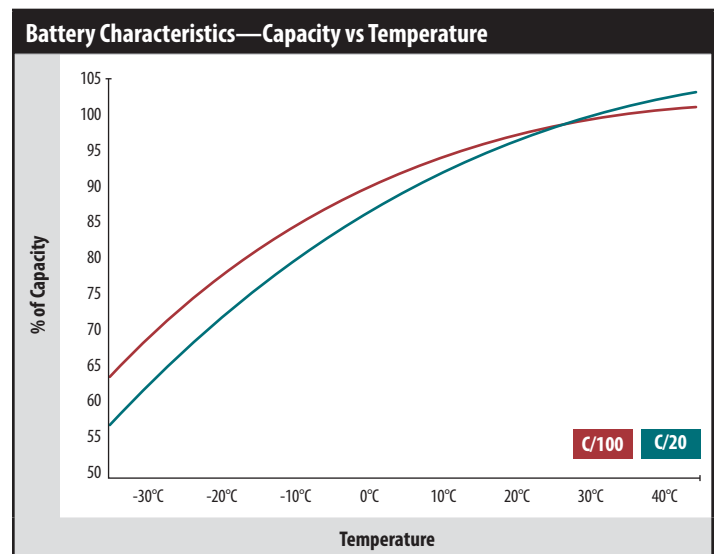
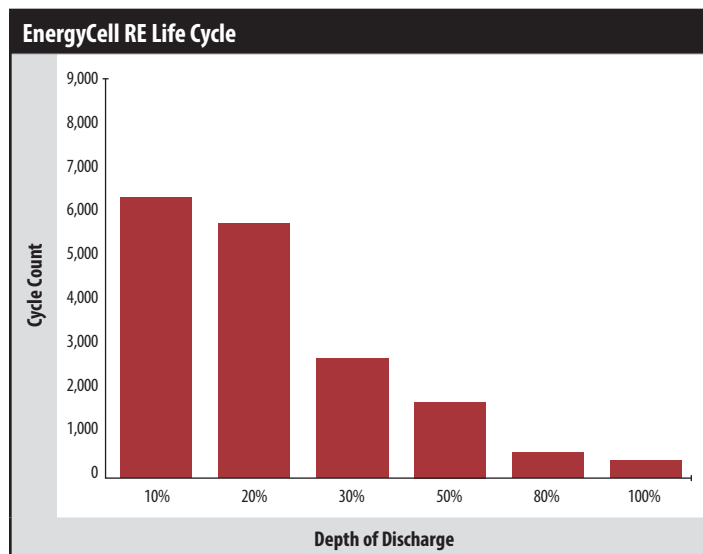
MANAGE THE SYSTEM

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

| Models: | EnergyCell 106RE (Top Terminal) | EnergyCell 200RE (Front Terminal) |
|---|---|--|
| Cells per Unit | 6 | 6 |
| Voltage per Unit | 12VDC | 12VDC |
| Operating Temperature Range (w/ temperature compensation) | Discharge: -40 to 71°C (-40 to 160°F) Charge: -23 to 60°C (-10 to 140°F) | Discharge: -40 to 71°C (-40 to 160°F) Charge: -23 to 60°C (-10 to 140°F) |
| Optimal Operating Temperature Range | 23 to 27°C (74 to 80°F) | 23 to 27°C (74 to 80°F) |
| Float Charging Voltage | 13.5 to 13.8VDC / unit average at 25°C (77°F) | 13.62VDC / unit average at 25°C (77°F) |
| Absorbed Voltage | 14.4VDC, unit average at 25°C (77°F) | 14.4VDC / unit average at 25°C (77°F) |
| Maximum Charge Current | 30.0A | 53.40A |
| Self Discharge | Battery can be stored up to 6 months at 25°C (77°F) before a freshening charge is required. Batteries stored at temperatures greater than 25°C (77°F) will require recharge sooner than batteries stored at lower temperatures. | |
| Temperature Compensation Factor (Charging) | 5mV per °C per cell (2V) | 5mV per °C per cell (2V) |
| Terminal | Copper alloy insert terminal to accept ¼"-20 UNC bolt | Threaded copper alloy insert terminal to accept ¼"-20 UNC bolt |
| Terminal Hardware Initial Torque | 110in-lbs (12.4Nm) | 110in-lbs (12.4Nm) |
| Weight | 69 / 31.3 | 131 / 60 |
| Dimensions H x D x W (in/cm)* | 8.52 x 13.42 x 6.80 / 21.64 x 34.09 x 17.27 | 12.60 x 22.01 x 4.95 / 32.0 x 55.9 x 12.6 |

| Discharge in Hours: | 12V Ampere Hour Capacity to 1.75 Volts Per Cell at 77°F (25°C) | | | | | | | | | | |
|-------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 8 | 12 | 20 | 24 | 48 | 100 |
| EnergyCell 106RE | 49.2 | 61.5 | 70 | 76 | 80.6 | 89 | 94.2 | 100 | 101 | 102.6 | 106 |
| EnergyCell 200RE | 103.0 | 120.0 | 132.0 | 139.6 | 145.5 | 158.4 | 168.0 | 178.0 | 181.4 | 189.6 | 200.0 |

*Batteries to be installed with 0.5 in (12.7 mm) spacing minimum and free air ventilation.



*Consult local and regional electrical code for proper installation of energy storage requirements.

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