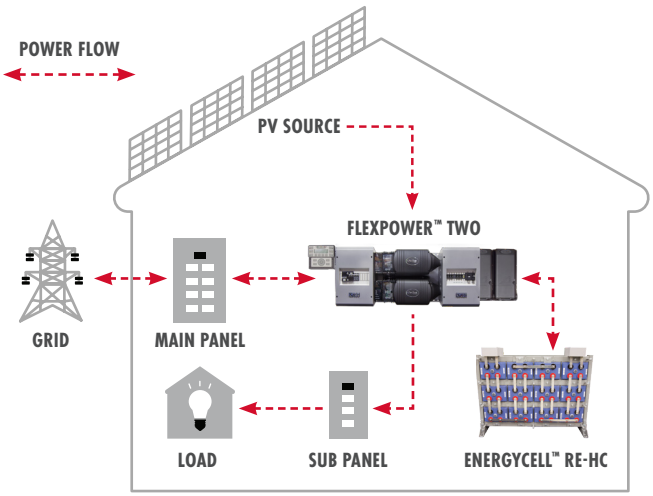
OutBack POWER™
an EnerSys® company

EnergyCell™ RE High Capacity

2V VRLA AGM Battery

- 1,800 cycles @ 50% depth of discharge
- Space-saving 4×6 standard 48V system configuration
- Battery frame design allows for maximum heat dissipation
- 100% out of box initial battery capacity
- VRLA-AGM technology: 99% gas recombination efficient, no periodic watering of cells, no re-torquing of terminal connections and no equalization charge under standard operating conditions
- Steel module design, cells factory installed in permanent steel modules with 1 or 2 cells per can, allowing for ease of replacement
- Flame-retardant battery jars for increased safety
- OPTICS RE™ connectivity means real-time access to critical battery performance data



The EnergyCell™ RE High Capacity battery family offers an ideal solution for large applications requiring the use of Valve Regulated Lead Acid (VRLA) batteries.

The EnergyCell™ RE High Capacity battery's modular design concept with steel-can casing and its integral racking system provide a cost-effective battery system with a compact, quick and simple installation process. The battery system's cell design, with Absorbed Glass Mat (AGM) technology, incorporates thicker positive plates for longer battery life. The welded/epoxy dual-post sealed design provides the highest integrity battery casing in the industry—large copper post design also enhances high rate performance.

The module's protective steel can encases the cells to maintain constant, uniform compression for the life of the battery. The easy-to-assemble racking provides total flexibility for system configuration and allows fast, simple installation even in the most difficult locations. The EnergyCell RE High Capacity battery, with its optimized recombination chemistry and extra thick plates, has excellent performance, extended service life and low maintenance requirements for grid-interactive and off-grid renewable energy and UPS applications.

EnergyCell™ RE High Capacity Battery Specifications

EnergyCell™ Models*:	**800RE**	**1100RE**	**1300RE**	**1600RE**	**2000RE**	**2200RE**	**2700RE**
Nominal Voltage per Cell:	2V	2V	2V	2V	2V	2V	2V
Nominal Voltage per System:	24VDC / 48VDC	24VDC / 48VDC	24VDC / 48VDC	24VDC / 48VDC	24VDC / 48VDC	24VDC / 48VDC	24VDC / 48VDC
Cycle Life (50% DOD, 1.75VPC)**:**	1800	1800	1800	1800	1800	1800	1800
Absorb Voltage (25°C)**:**	55.6VDC	55.6VDC	55.6VDC	55.6VDC	55.6VDC	55.6VDC	55.6VDC
Absorb Time:	2hrs	2hrs	2hrs	2hrs	2hrs	2hrs	2hrs
Float Voltage (25°C)**:**	54VDC	54VDC	54VDC	54VDC	54VDC	54VDC	54VDC
Float Time:	= absorb time	= absorb time	= absorb time	= absorb time	= absorb time	= absorb time	= absorb time
Equalize Voltage:	2.32VDC	2.32VDC	2.32VDC	2.32VDC	2.32VDC	2.32VDC	2.32VDC
Re-Bulk Voltage:	24VDC / 48VDC	24VDC / 48VDC	24VDC / 48VDC	24VDC / 48VDC	24VDC / 48VDC	24VDC / 48VDC	24VDC / 48VDC
Re-Float Voltage:	12.5VDC / 25VDC / 50VDC	12.5VDC / 25VDC / 50VDC	12.5VDC / 25VDC / 50VDC	12.5VDC / 25VDC / 50VDC	12.5VDC / 25VDC / 50VDC	12.5VDC / 25VDC / 50VDC	12.5VDC / 25VDC / 50VDC
Maximum Charge Current (per Battery)**:**	148.75A	212.5A	250A	300A	375A	400A	500A
Operating Temperature Range (with Temperature Compensation)**:**	−4 to 122°F (−20 to 50°C)	−4 to 122°F (−20 to 50°C)	−4 to 122°F (−20 to 50°C)	−4 to 122°F (−20 to 50°C)	−4 to 122°F (−20 to 50°C)	−4 to 122°F (−20 to 50°C)	−4 to 122°F (−20 to 50°C)
Optimal Operating Temperature Range:	68 to 86°F (20 to 30°C)	68 to 86°F (20 to 30°C)	68 to 86°F (20 to 30°C)	68 to 86°F (20 to 30°C)	68 to 86°F (20 to 30°C)	68 to 86°F (20 to 30°C)	68 to 86°F (20 to 30°C)
Temp-Comp Factor (Charging)**:**	±5mV / °C / 2V cell	±5mV / °C / 2V cell	±5mV / °C / 2V cell	±5mV / °C / 2V cell	±5mV / °C / 2V cell	±5mV / °C / 2V cell	±5mV / °C / 2V cell
Self-Discharge Time:	6 months @ 25°C	6 months @ 25°C	6 months @ 25°C	6 months @ 25°C	6 months @ 25°C	6 months @ 25°C	6 months @ 25°C
Terminal Type:	M8 bolt, lock, flat washer	M8 bolt, lock, flat washer	M8 bolt, lock, flat washer	M8 bolt, lock, flat washer	M8 bolt, lock, flat washer	M8 bolt, lock, flat washer	M8 bolt, lock, flat washer
Terminal Hardware Initial Torque:	88in-lbs	88in-lbs	88in-lbs	88in-lbs	88in-lbs	88in-lbs	88in-lbs
Weight (lb/kg)**:**	2262 / 1189.3	3797 / 1722.3	4330 / 1964.1	5082 / 2305.2	6464 / 2932.0	6707 / 3042.2	8266 / 3749.4
48V System Dimensions H × D × W (in/cm)**:**	43.44 × 23.5 × 39.40 / 110 × 59.69 × 10	60.7 × 23.5 × 37.15 / 154.2 × 59.69 × 94.36	77.96 × 26.25 × 33.32 / 198.0 × 66.68 × 84.63	77.96 × 26.25 × 33.32 / 198.0 × 66.68 × 84.63	74.92 × 27.46 × 44.37 / 190.3 × 69.75 × 11.27	77.96 × 26.25 × 56.37 / 198.0 × 66.68 × 14.32	74.92 × 27.46 × 56.37 / 190.3 × 69.75 × 143.2
Warranty****:**	3 years	3 years	3 years	3 years	3 years	3 years	3 years
48V Standard System Configuration:	6w × 4h	4w × 6h	3w × 8h	3w × 8h	4w × 6h	3w × 8h	4w × 6h

	2V Ampere Hour Capacity to 1.75 Volts Per Cell @ 77°F (25°C)					
Discharge in Hours:	**1**	**5**	**8**	**20**	**24**	**100**
EnergyCell 800RE	347	555	600	672	676	810
EnergyCell 1100RE	495	790	864	960	984	1150
EnergyCell 1300RE	575	920	1008	1148	1176	1340
EnergyCell 1600RE	690	1105	1208	1378	1416	1600
EnergyCell 2000RE	886	1390	1512	1716	1776	2070
EnergyCell 2200RE	920	1470	1616	1836	1872	2140
EnergyCell 2700RE	1182	1850	2016	2288	2352	2770

*Consult local and regional electrical code for proper installation of energy storage requirements.
**Consult EnergyCell® RE High Capacity Battery warranty documentation for all terms and conditions.

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