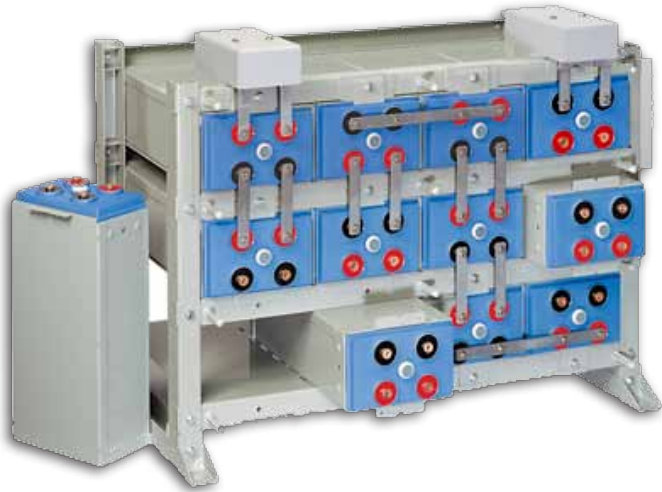




EnergyCell® RE High Capacity Battery

2V VRLA AGM Battery



Shown: 24V racking solution with 12 batteries, 48V also available.

- 100% "Out-of-Box" Initial Battery Capacity
- Valve Regulated Lead Acid (VRLA) Absorbed Glass Mat (AGM) Technology: Low Maintenance with No Watering Required
- Battery Frame Design Allows for Maximum Heat Dissipation
- Steel Module Design, Cells Factory Installed in Permanent Steel Modules with 1 or 2 Cells Per Can
- 4x6 Standard 48V System Configuration with Multiple Module Configurations Available for Maximum Flexibility
- Simplified Installation
- Top Termination Standard, Optional Side Termination
- Clear Flame Retardant Front Safety Shields Allow for Easy Visual Inspection Without Removal
- Flame-Retardant Battery Jars for Increased Safety

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 EnergyCell RE High Capacity 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 posts design also enhances high rate performance. Cells are

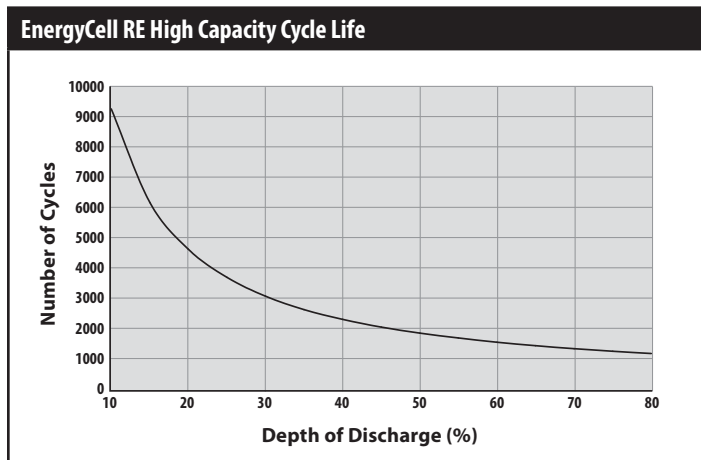
encased in the module's dedicated protective steel can encases the cells to maintain constant, uniform compression for the life of the battery.

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.

Models:	800RE	1100RE	1300RE	1600RE	2000RE	2200RE	2700RE
Nominal Voltage Per Cell	2V	2V	2V	2V	2V	2V	2V
Capacity 20Hr Rate (1.75VPC)	672	960	1148	1378	1716	1836	2288
Capacity 100Hr Rate (1.75VPC)	810	1150	1340	1600	2070	2140	2770
Watts Per Cell 15min Rate (1.67VPC)	1230	1757	1995	2394	3071	3192	4094
Cycle Life 50% DOD (77°F/25°C)	1800 cycles	1800 cycles	1800 cycles	1800 cycles	1800 cycles	1800 cycles	1800 cycles
Optimal Operating Temperature Range	73.4 to 78.8°F (23 to 26°C)	73.4 to 78.8°F (23 to 26°C)	73.4 to 78.8°F (23 to 26°C)	73.4 to 78.8°F (23 to 26°C)	73.4 to 78.8°F (23 to 26°C)	73.4 to 78.8°F (23 to 26°C)	73.4 to 78.8°F (23 to 26°C)
OCV Per Cell Limit*	2.05	2.05	2.05	2.05	2.05	2.05	2.05
Initial Charge Voltage Per Cell**	2.27	2.27	2.27	2.27	2.27	2.27	2.27
Float Voltage Per Cell (77°F/25°C)	2.25	2.25	2.25	2.25	2.25	2.25	2.25
Float Voltage Per Cell (95°F/35°C)	2.21	2.21	2.21	2.21	2.21	2.21	2.21
Equalize Voltage Per Cell (69.8 to 89.6°F/21 to 32°C)	2.32	2.32	2.32	2.32	2.32	2.32	2.32
Maximum Charge Current (A)	148.75	212.5	250	300	375	400	500
Shelf Life (77°F/25°C)	6 months	6 months	6 months	6 months	6 months	6 months	6 months
Short Circuit Current (A)	4728	6748	7722	9267	12411	12337	16548
Internal Resistance (micro Ω)	441	309	270	225	167	169	126
Terminal Torque (InterCell Connects)	88 in-lbs	88 in-lbs	88 in-lbs	88 in-lbs	88 in-lbs	88 in-lbs	88 in-lbs
Hardware Specification (InterCell Connects)	M8 bolt, lock and flat washer						
Weight Per Cell (lbs/kg)	114.3 / 51.8	162.3 / 73.6	188.3 / 85.4	222.3 / 100.8	272.3 / 123.5	290.3 / 131.7	358.3 / 162.5
Dimensions Per Cell L x W x H (in/mm)	21.8 x 6.5 x 11.9 / 554 x 165 x 302	21.8 x 6.5 x 8.4 / 554 x 165 x 213	4.5 x 6.5 x 8.4 / 622 x 165 x 213	24.5 x 6.5 x 9.9 / 622 x 165 x 251	23.5 x 8.9 x 9.9 / 597 x 226 x 252	24.5 x 6.5 x 12.9 / 622 x 165 x 328	23.5 x 8.9 x 12.9 / 597 x 226 x 328

*Before installation, OCV is open circuit voltage. **Represents 60Hrs charge time at 16 to 32°C.

- Equalize in the following conditions if float voltage of any cell is less than 2.17VPC or the float voltage range after 6 months is outside the ±0.08V of nominal setting
- 24Hrs after current stabilization, (3Hrs without charge), at ambient temperatures from 70 TO 90°F (21 TO 32°C)



Worldwide Corporate Offices

