EnergyCell RE Front Terminal Battery

VRLA Battery for Renewable Energy Storage

- **Front Terminal Access Design for Ease of Maintenance and Installation**
- **High-Density Pasted Plates for High Cycle Life**
- **Lead-Calcium-Tin Alloy Plates for Long Life in Both Cycling and Float Applications**
- **High Recharge Efficiency**
- **Compact Footprint for Higher Energy Density Requirements**
- **Thermally Welded Case-to-Cover Bond to Eliminate Leakage**
- **UL-Recognized Component**

The EnergyCell RE Valve Regulated Lead Acid (VRLA) battery is designed for high power density and renewable energy cycling applications. Absorbed Glass Matt (AGM) technology provides for efficient gas recombination of up to 99% and freedom from electrolyte maintenance. The EnergyCell RE also features low profile terminals with threaded copper alloy inserts providing reduced maintenance and increased safety.

OutBack POWER™
member of The Alpha Group™
www.outbackpower.com

EnergyCell RE Front Terminal Battery Specifications

	EnergyCell 170RE	EnergyCell 200RE
Cells Per Unit	6	6
Voltage Per Unit	12 VDC	12 VDC
Operating Temperature Range (with temperature compensation)	Discharge: -40 to 71°C (-40 to 160°F) Charge: -23 to 60°C (-10 to 140°F)	
Optimal Operating Temp Range	23 to 27°C (74 to 80°F)	
Recommended Maximum Charging Current Limit Per String	25 Amps DC	30 Amps DC
Float Charging Voltage	13.62 VDC / unit average at 25°C (77°F)	
Equalization and Cycle Service Charging Limits	14.4 VDC / unit average at 25°C (77°F)	
Self Discharge	Battery can be stored up to 18 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.	
Temp Compensation Factor (Charging)	5mV per degree C per cell (2V)	
Terminal	Threaded copper alloy insert terminal to accept ¼"-20 UNC bolt	
Terminal Hardware Initial Torque	110 in-lbs (12.4 Nm)	
Weight	115 lbs (52 kg)	131 lbs (60 kg)
Dimensions* (H x D x W)	11.14 x 22.01 x 4.95" (28.3 x 55.9 x 12.6 cm)	12.60 x 22.01 x 4.95" (32.0 x 55.09 x 12.6 cm)

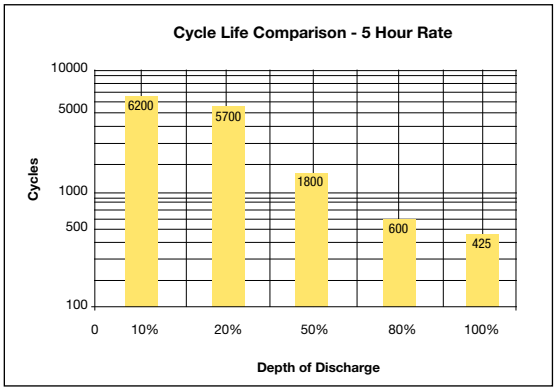
* Batteries to be installed with 0.5 in (12.7 mm) spacing minimum and free air ventilation

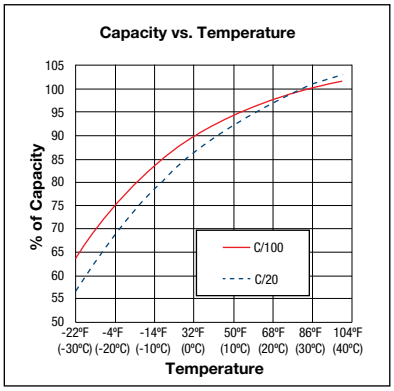
Ampere Hour Capacity to 1.75 Volts Per Cell at 77°F (25°C)

Discharge in Hours	EnergyCell 170RE	EnergyCell 200RE
1	89.1	103.0
3	114.2	132.0
4	120.6	139.6
5	125.9	145.5
8	137.0	158.4

Discharge in Hours	EnergyCell 170RE	EnergyCell 200RE
12	145.3	168.0
20	153.8	178.0
24	157.0	181.4
48	163.9	189.6
100	170.0	200.0

Specifications subject to change without notice





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