



# EnergyCell RE Front Terminal

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
- Up to 2-Year Full Replacement Warranty

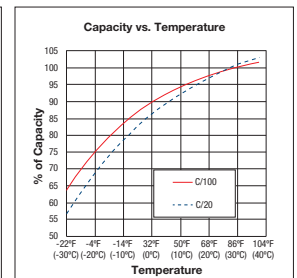
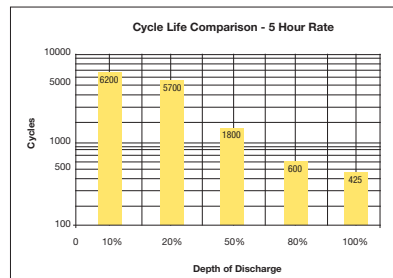
**The EnergyCell RE Valve Regulated Lead Acid (VRLA) battery is designed for high power density and renewable energy cycling applications.**

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.

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

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

Amp Hour Capacity to 1.75V per Cell at 77°F / 25°C		
Discharge (Hrs)	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
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



**Worldwide Corporate Offices**

