



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.

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EnergyCell RE Front Terminal Battery Specifications

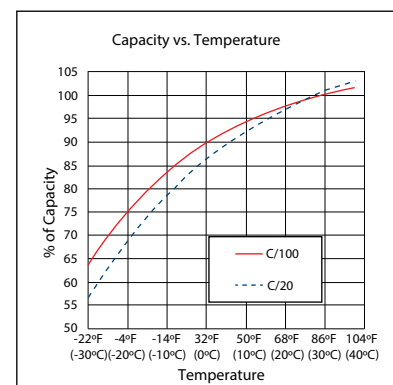
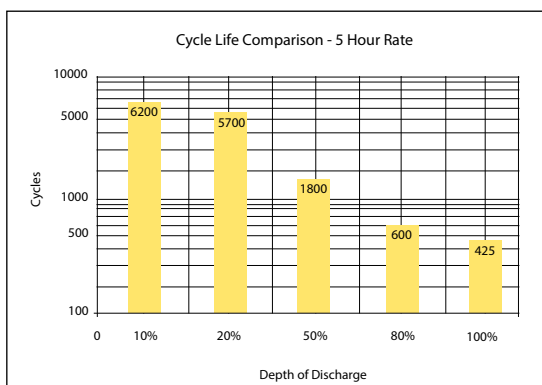
| | EnergyCell 170RE | EnergyCell 200RE |
|--|---|--|
| Cells Per Unit | 6 | 6 |
| Voltage Per Unit | 12 VDC | 12 VDC |
| Operating Temperature Range (with temperature compensation) | Discharge: -40 to 160°F (-40 to 71°C) Charge: -10 to 140°F (-23 to 60°C) | |
| Optimal Operating Temperature Range | 74 to 80°F (23 to 27°C) | |
| Recommended Maximum Charging Current Limit Per String | 25 Amps DC | 30 Amps DC |
| Float Charging Voltage | 13.62 to 13.8 VDC / unit average at 77°F (25°C) | |
| Equalization and Cycle Service Charging Limits | 14.4 to 14.8 VDC / unit average at 77°F (25°C) | |
| Self Discharge | Battery can be stored up to 6 months at 77°F (25°C) before a freshening charge is required. Batteries stored at temperatures greater than 77°F (25°C) will require recharge sooner than batteries stored at lower temperatures. | |
| Temperature 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 |
| 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



Recicla tu
acumulador usado

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