EnergyCell GH Front Terminal

VRLA Battery for Grid/Hybrid Renewable Energy Storage

- EnerSys SBS EON Technology for Higher Energy Density
- Front Terminal Access for Ease of Installation and Maintenance
- UL-Recognized Component
- Designed for Grid/Hybrid and AC-Coupled Renewable Energy Storage Applications
- Up to 4-Year Full Replacement Warranty
- 18-Month Shelf Life @ 25°C
- Wide Operating Temperature Range

OutBack's new EnergyCell Valve Regulated Lead Acid (VRLA) 200GH and 220GH batteries are designed to support critical power applications in Grid/Hybrid systems where renewable sources normally augment grid power, but the power-conversion system switches to off-grid operation during emergencies or outages.

EnerSys SBS EON* technology incorporates TPPL AGM (Thin Plate Pure Lead Absorbed Glass Mat) which allows for greater shelf life, extended float service life in optimal operating conditions, higher energy density, and superior discharge and charge performance.

The EnergyCell GH battery series is designed for Grid/Hybrid and AC-coupled storage applications; (for deep-cycle applications OutBack EnergyCell RE batteries are recommended). The EnergyCell GH also features front terminal access with threaded copper inserts, which decreases maintenance and increases safety.

*EON Technology is a trademark of EnerSys.

EnergyCell GH Front Terminal Specifications

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Models:	EnergyCell 200GH	EnergyCell 220GH
Cells Per Unit	6	6
Voltage Per Unit	12VDC	12VDC
Operating Temperature Range (w/ temperature compensation)	-40 to 122°F (-40 to 50°C)	-40 to 122°F (-40 to 50°C)
Optimal Operating Temperature Range	68°F (20°C)	68°F (20°C)
Float Charging Voltage	13.62VDC / unit average at 77°F (25°C)	13.62VDC / unit average at 77°F (25°C)
Maximum Charge Current	106.2A	118.8A
Absorbed Voltage	14.4VDC / unit average at 77°F (25°C)	14.4VDC / unit average at 77°F (25°C)
Self Discharge	Battery can be stored up to 18 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.	
Temp Compensation Factor (Charging)	±4mV per °C per cell (2V)	±4mV per °C per cell (2V)
Terminal	Threaded copper alloy insert terminal to accept ¼"-20 UNC bolt	Threaded copper alloy insert terminal to accept ¼"-20 UNC bolt
Terminal Hardware Initial Torque	M6 = 80in-lbs (9.0Nm)	M6 = 80in-lbs (9.0Nm)
Weight (lb/kg)	116 / 53	132 / 60
Dimensions H x D x W (in/cm)	11.1 x 22.1 x 4.9 / 28.2 x 56.1 x 12.4	12.4 x 22.1 x 4.9 / 31.5 x 56.1 x 12.4

	12V Ampere Hour Capacity to 1.75 Volts Per Cell at 77°F (25°C)								
Discharge in Hours:	**1**	**3**	**4**	**5**	**8**	**12**	**20**	**24**	**100**
EnergyCell 200GH	120	148.5	154.8	159	168.8	176.4	191	189.6	200
EnergyCell 220GH	133.5	166.2	173.2	178	188.8	198	214	216	220

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

Worldwide Corporate Offices

North America
Tel: +1 360.435.6030
Fax: +1 360.435.6019

Latin America
Tel: +1 561.792.9651
Fax: +1 561.792.7157

Europe
Tel: +49 9122.79889.0
Fax: +49 9122.79889.21

Asia Pacific
Tel: +852 2736.8663
Fax: +852 2199.7988

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