EnergyCell GH Front Terminal Battery

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 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 Advanced 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.

OutBack POWER™
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www.outbackpower.com

EnergyCell GH Front Terminal Battery Specifications

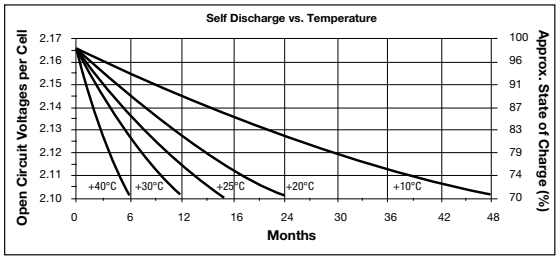
	EnergyCell 200GH	EnergyCell 220GH
Cells Per Unit	6	6
Voltage Per Unit	12 VDC	12 VDC
Operating Temperature Range (with temperature compensation)	-40 to 122°F (-40 to 50°C)	
Optimal Operating Temp Range	68°F (20°C)	
Float Charging Voltage	13.62 VDC / unit average at 77°F (25°C)	
Equalization and Cycle Service Charging Limits	14.4 VDC / 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 degree C per cell (2V)	
Terminal	Threaded copper alloy insert terminal to accept ¼"-20 UNC bolt	
Terminal Hardware Initial Torque	M6 = 80 in-lbs (9.0 Nm)	
Weight	116 lbs (53 kg)	132 lbs (60 kg)
Dimensions* (H x D x W)	11.1 x 22.1 x 4.9" (28.2 x 56.1 x 12.4 cm)	12.4 x 22.1 x 4.9" (31.5 x 56.1 x 12.4 cm)

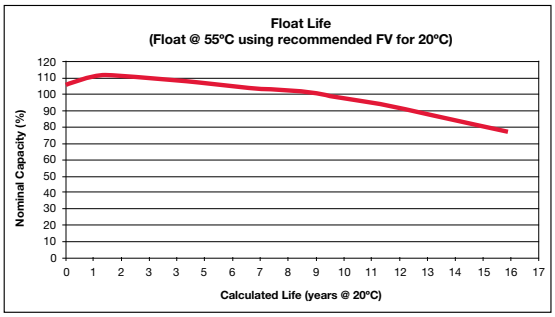
* Batteries to be installed with 0.5 in (12.7 mm) spacing minimum and free air ventilation

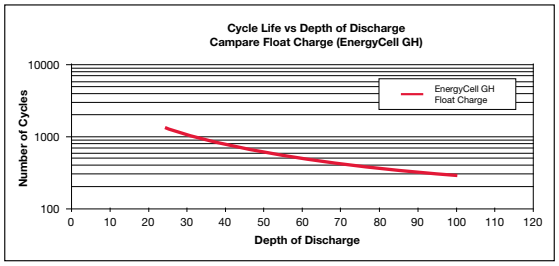
Ampere Hour Capacity to 1.75 Volts Per Cell at 77°F (25°C)

Discharge in Hours	EnergyCell 200GH	EnergyCell 220GH
1	120	133.5
3	148.5	166.2
4	154.8	173.2
5	159	178
8	168.8	188.8

Discharge in Hours	EnergyCell 200GH	EnergyCell 220GH
12	176.4	198
20	191	214
24	189.6	216
100	200	220







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