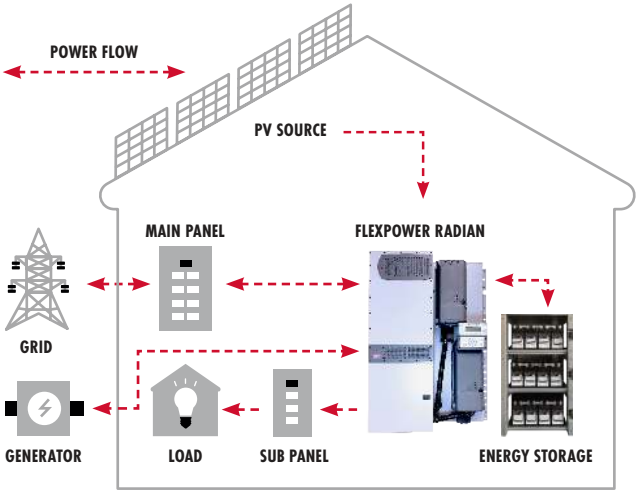
OutBack POWER™
an EnerSys company

EnergyCell PLR Series™

Pure Lead Runtime Batteries

- Ideal use for Grid-Tied battery backup applications
- High energy density optimizes runtime
- 1500 Cycles @ 50% DoD
- 15 year standby Life
- Exceptional fast charge acceptance
- Tolerant to high temperatures
- Eco-friendly – 96% recyclable
- Extended shelf life
- 3 year warranty



The EnergyCell PLR (Pure Lead Run Time) is a front terminal 12VDC VRLA AGM battery offering a pure-lead thin-plate technology optimized for superior energy density.

EnergyCell PLR is a solution specially designed for mission critical backup power demands. The battery is built with the success core Thin Plate Pure Lead (TPPL) construction, a technology that has been proven safe, reliable, robust and efficient. Thinner plates allow for higher density and more surface area in the same footprint, resulting in 16% more run-time compared to traditional VRLA AGM batteries. Reduced internal resistance alleviates heat, allowing for greater charge rates up to 200ADC (1/c). This gives users great economics with system sizing flexibility and operational savings. In addition, the PLR requires no periodic watering, no re-torqueing of terminal connections and at the end of life, batteries are 96% recyclable.

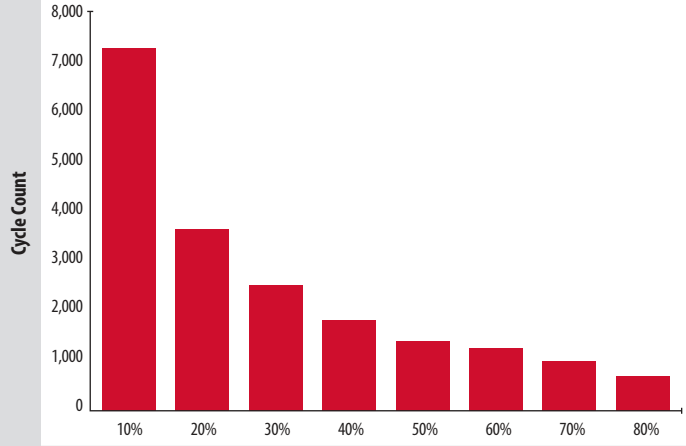
EnergyCell PLR Series Specifications

08/2019

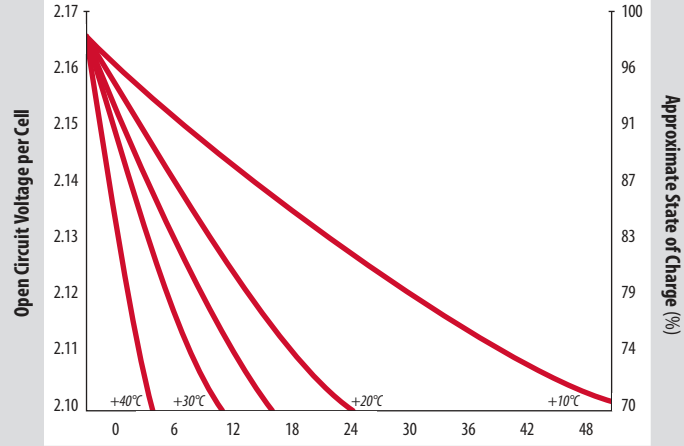
EnergyCell Models:	**200PLR***
Cells Per Unit	6
Nominal Voltage	12VDC
Cycle Life (50% DOD)	1500
Absorb Voltage (25°C)[1]	14.7VDC
Absorb Time[2]	2hrs
Float Voltage (25°C)[1]	13.5 to 13.8VDC
Float Time	Continuous
Equalize Voltage and Charge Frequency	14.4 (see manual for further details)
Re-Bulk Voltage[3]	12.5
Re-Float Voltage[3]	13.5
Max. Charge Current (Per Battery)	200ADC (1/C)
Max. Operating Temperature Range (w/Temperature Compensation)	-40°F (-40°C) to 113°F (45°C)
Optimal Operating Temperature Range	68°F (20°C) to 77°F (25°C)
Temp-Comp Factor (Charging)	±4mV per battery per cell (2V)
Self-Discharge Time	Batteries can be stored up to 18 months at 25°C (77°F) before a freshening charge is required. For higher temperatures the time interval will be shorter
Terminal Type	M6 no maintenance terminals
Terminal Hardware Initial Torque	44±4 in-lbs (5±0.5 Nm)
Weight (lb/kg)	132.3 / 59.9
Dimensions H x D x W (in/cm)[4]	12.46 x 22.87 x 4.92 / 31.65 x 58.09 x 12.5
Warranty[5]	3 year full replacement
Accessories	Ships with interconnect bars, terminal covers and hardware kit

	12V Ampere Hour Capacity to 1.75 Volts Per Cell at 77°F (25°C)									
Discharge in Hours:	**.25** (15min)	**.5** (30min)	**1**	**2**	**3**	**4**	**5**	**8**	**12**	**20**
EnergyCell 200PLR	86.5	119	144	163.4	172	177	181	191.5	194.7	203.8

Cycle Life



Shelf Life



* Consult local and regional electrical code for proper installation of energy storage requirements.

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