

# EnergyCell™ PLR

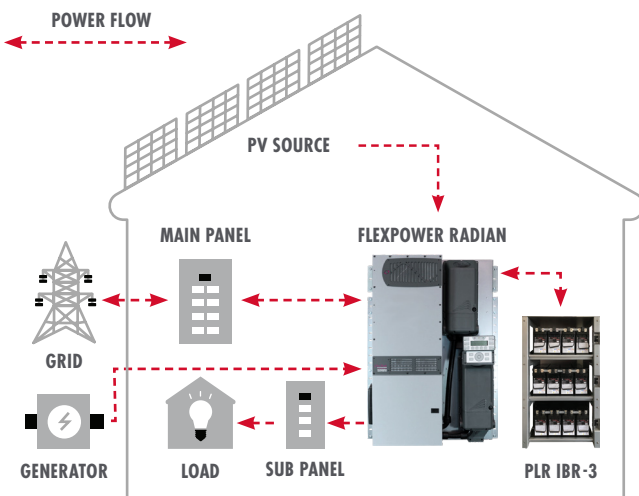
## Pure Lead Runtime Battery



- 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. This gives users great economics with system sizing flexibility and operational savings. In addition, the PLR requires no periodic watering, no re-torquing of terminal connections and at the end of life, batteries are 96% recyclable.

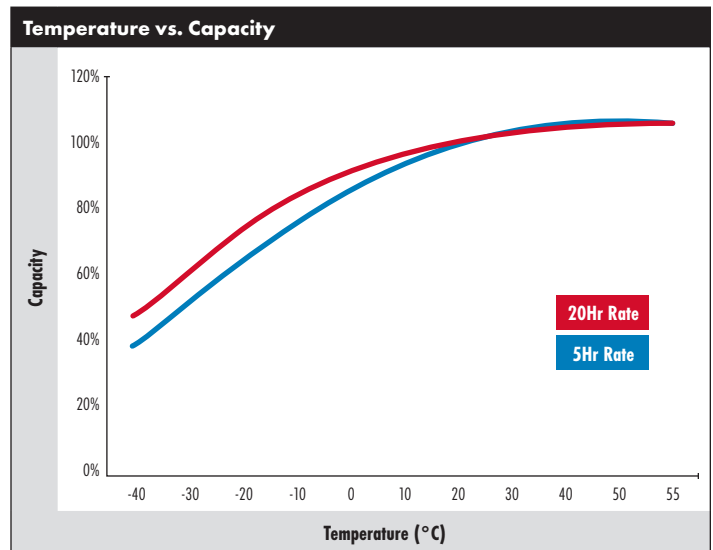
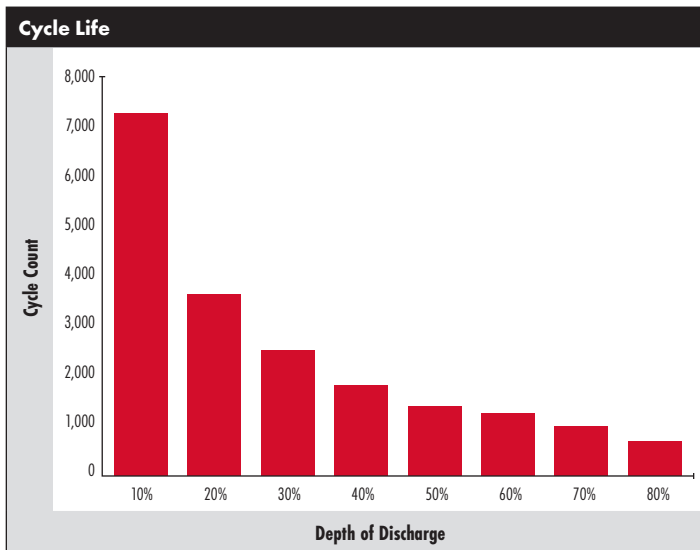


# EnergyCell™ PLR Specifications

EnergyCell Model: 200PLR	
Cells Per Unit	6
Nominal Voltage	12VDC
Cycle Life (50% DoD)	1500
Absorb Voltage (25 °C)	14.4VDC
Absorb Time	2hrs
Float Voltage (25 °C)	13.5 to 13.8VDC
Float Time	Continuous
Equalize Voltage and Charge Frequency	14.4VDC   6 hours   12 months
Re-Bulk Voltage	12.1VDC
Re-Float Voltage	13.5VDC
Max. Charge Current (per Battery)	No limit
Max. Operating Temperature Range (w/Temperature Compensation)	-40 to 113°F (-40 to 45°C)
Optimal Operating Temperature Range	68 to 77°F (20 to 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 × D × W (in/cm)	12.46 × 22.87 × 4.92 / 31.65 × 58.09 × 12.5
Warranty <sup>1</sup>	3 year full replacement
Accessories	Ships with interconnect bars, terminal covers and hardware kit

Note: PC-ABS flame retardant jar and cover to UL94V-0 <sup>1</sup>See OutBack Power EnergyCell warranty document for full details.

Discharge in Hours:	12V Ampere Hour Capacity to 1.75 Volts Per Cell @ 77°F (25°C)									
	.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



an EnerSys company

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