

# EnergyCell 1000XLC™

## High Capacity Lead Carbon Battery

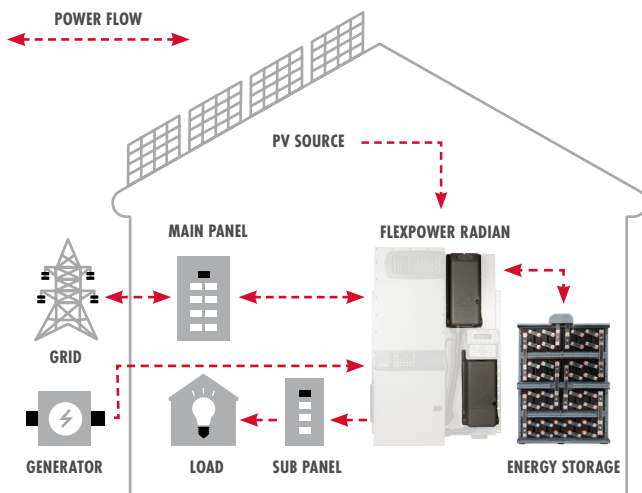


- Ideal for high capacity energy demands in off-grid, self-consumption, or emergency backup applications
- 3800 cycles @ 50% DoD at 25°C
- 17 year standby life at 25°C
- High charge acceptance at 300ADC
- 10 year standard full replacement warranty
- Integrated cabinet with modular racking assembly saves on installation time

**The EnergyCell XLC battery system is an ideal solution for today's demanding off-grid, self-consumption or backup applications requiring larger energy storage.**

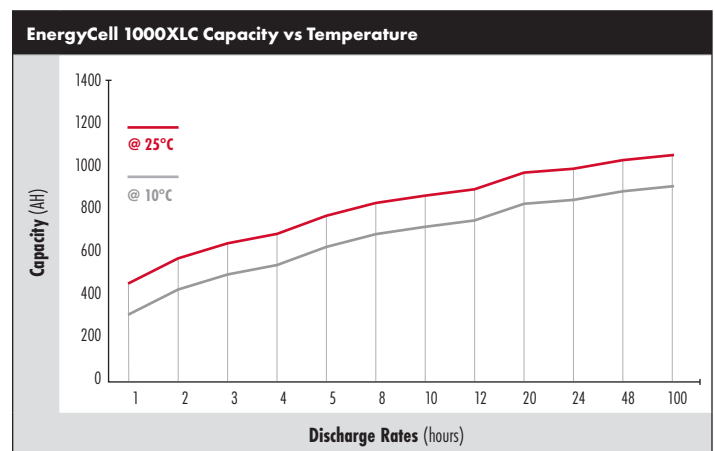
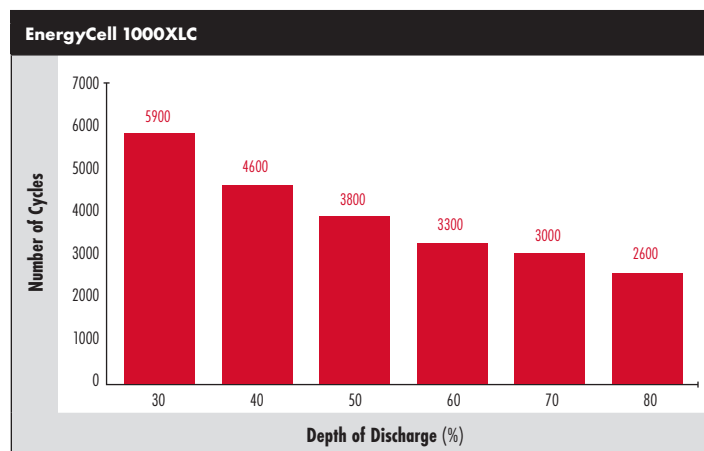
The EnergyCell XLC battery system incorporates time-saving modular design. The integrated cabinet with a XLC provides a cost effective solution for all users saving over 40% of installation time compared to a traditional rack. Proven lead-acid VRLA technology, combined with enhanced carbon additives, make it one of the safest batteries in the market. The EnergyCell XLC is unparalleled in performance backed up by a 10-year full replacement warranty (subject to terms and conditions).

The XLC's pioneering lead-acid technology incorporates an added carbon additive to the negative active material (NAM), enhanced separators and anti-corrosion grid design delivering a dramatic improvement in service life. 3800 cycles at 50% DoD, 17 year standby life. Optimized to operate seamlessly with OutBack Power conversion equipment and OPTICS RE connectivity with real-time access to critical battery performance data.



EnergyCell Model:	1000XLC*
Nominal Voltage Per Cell	2V
Nominal Voltage Per System	48VDC
Cycle Life (50% DoD)	3800 cycles
Absorb Voltage (25°C)	58VDC
Absorb Time	1.2 hours
Float Voltage (25°C)	53 to 54VDC
Float Time	2 hours
Voltage	Equalize: 58VDC Re-Bulk: 48VDC Re-Float: 50VDC
Maximum Charge Current (Per Battery)	300ADC
Operating Temperature Range (w/Temperature Compensation)	Discharge: -20°C ~ 50°C (-4°F ~ 122°F) Charge: 0°C ~ 40°C (32°F ~ 104°F) Storage: -20°C ~ 40°C (-4°F ~ 104°F)
Optimal Operating Temperature	25°C
Temp-Comp Factor (Charging)	±5mV/cell/°C
Self-Discharge Time	Batteries can be stored up to 6 months at 25°C (77°F) before a freshening charge is required. For higher temperatures the time interval will be shorter.
Terminal Type	M10 bolt
Terminal Hardware Initial Torque	612 Kgf·cm / 531 Lbf·in / 60.0 N·m
Weight (lb/kg)	4425.12 / 2007.2
System Dimensions H x W x D (in/mm)	67.3 x 44.2 x 21.8 / 1710 x 1125 x 555
Warranty	10 year standard warranty**
Accessories	Cabinet, interconnecting bus bars, terminal covers

Discharge in Hours:	2V Ampere Hour Capacity to 1.75 Volts Per Cell at 77°F (25°C)											
	1	2	3	4	5	8	10	12	20	24	48	100
EnergyCell 1000XLC	478	572	642	708	760	824	861	889	972	1003	1133	1230



\* Consult local and regional electrical code for proper installation of energy storage requirements.  
 \*\*Consult EnergyCell XLC warranty documentation for all terms and conditions