

# EnergyCell 1000XLC™

## High Capacity Lead Carbon Battery

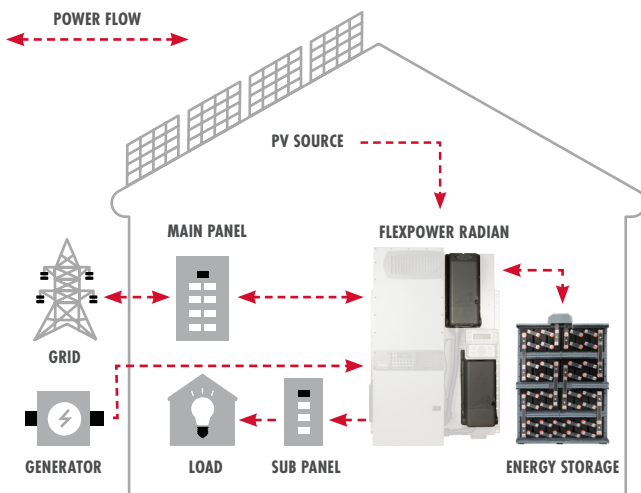


- Ideal for high capacity energy demands in off-grid, self-consumption, or emergency backup applications
- 3800 cycles @ 50% DoD at 25°C
- 17 year standby life at 25°C
- 10 year standard full replacement warranty
- Integrated cabinet with modular racking assembly saves on installation time

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

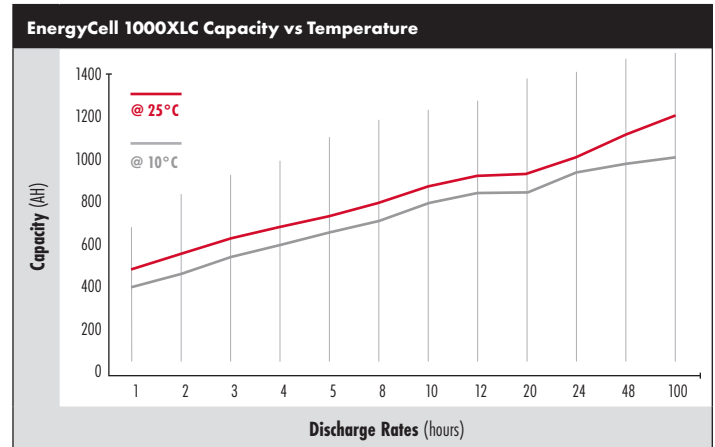
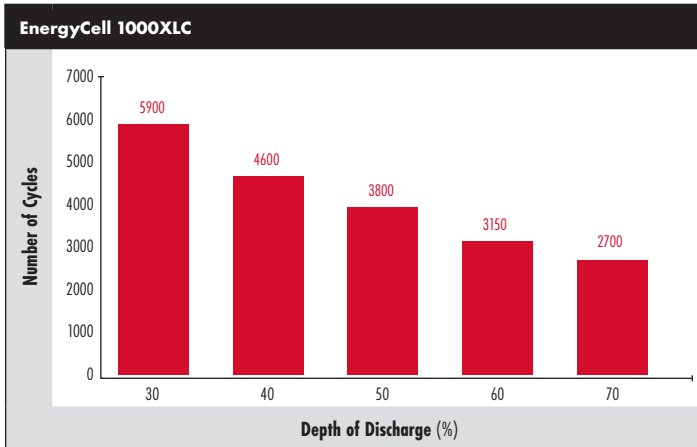
The EnergyCell XLC battery system incorporates time-saving modular design with an integrated cabinet. XLC provides a cost effective solution for all users saving over 40% of installation time compared to a traditional battery modular rack system. Proven lead-acid VRLA technology combined with enhanced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

The EnergyCell 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. XLC is 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	3.5 hours
Float Voltage (25°C)	53 to 54VDC
Float Time	2 hours
Equalize Voltage and Charge Frequency	58VDC   12 Hrs   14 days
Re-Bulk Voltage	48VDC
Re-Float Voltage	50VDC
Maximum Charge Current (Per Battery)	168A
Operating Temperature Range (w/Temperature Compensation)	<b>Discharge:</b> -20°C ~ 50°C (-4°F ~ 122°F) <b>Charge:</b> 0°C ~ 40°C (32°F ~ 104°F) <b>Storage:</b> -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	287-344 Kgf-cm / 531 Lbf-in / 28.1-33.8 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 / 170.9 x 112.3 x 55.4
Warranty	10 year standard warranty**
Accessories	Cabinet, interconnecting bus bars, terminal covers

Discharge in Hours:	2V Ampere Hour Capacity to 1.80 Volts Per Cell at 77°F (25°C)											
	1	2	3	4	5	8	10	12	20	24	48	100
EnergyCell 1000XLC	447	554	630	692	745	816	848	874	958	988	1118	1220



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