

XTREME POWER CONVERSION XLi Battery

Lithium Iron Phosphate (LiFePO₄) Battery // 12.8V6AH

For more information, visit www.xpcc.com/xli



High Power, Long Life Batteries for Challenging, Critical Applications

Xtreme Power lithium-Iron Phosphate batteries provide high rate power delivery, exceptional cycle life, and up to 10 years of reliable operation.

Xtreme Power integrated and redundant Battery Management System (BMS) provides protection from short circuits, over-temperature, over-charge, over-discharge, and over-current.

Applications for XLi-12V6AH include Mobile Carts, Uninterruptible Power Systems (UPS), Industrial Systems, Security Systems, Emergency Lighting

PRODUCT SNAPSHOT

- › Available models: 12.8V 6AH
- › Series operation for 12.8V, 25.2V, 38.4V or 51.2V systems
- › Parallel up to 10 battery strings for additional capacity
- › Up to 45 amps (560W) of DC load*
- › Certified to UL1973 and UN38.3
- › 5 years battery warranty (USA and Canada)

FEATURES

Integrated redundant BMS — battery Management System provides protection from overvoltage, undervoltage, and over temperature

Temperature resilience — operation up to 113F (45C) without reduction in life

Proven battery chemistry — safe, high-performance Lithium Iron Phosphate (LiFePO₄)

Fast Recharge — recharge in 30 minutes at 12 Amps of charge (2C)

Scalable Array — up to 51.2V / 60AH without external Battery Monitoring System (BMS) (Maximum 4 batteries in series and up to 10 battery strings in parallel)

Automatic charge balancing — between batteries in series and/or parallel

MODEL SELECTION GUIDE

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MODEL NUMBER		XLi-12V6AH
CAPACITY	Available Energy (BOL)	76.8 Wh
	Nominal Capacity	6 AH at 0.2C discharge rate
BATTERY CHARGE / DISCHARGE	Nominal Voltage	12.8V
	Maximum Charger Voltage:	14.4V
	End of Discharge Voltage	10V
	Maximum Charge Current	12A
	Maximum Discharge Current	45A*
	Peak Discharge Current	57A for 1 second
	Charge Time at Max Rate	30 minutes
PHYSICAL SPECIFICATIONS	Case Dimensions (L x W x H)	6 x 2.5 x 3.7 in (151 x 65 x 93.5 mm)
	Weight	2.2 lbs (1 kg)
	Case Material	ABS
	Terminal Requirements	F2 Type
ENVIRONMENT	Operating Temperature	Charge 32 – 113°F (0 – 45°C) / Discharge -4 – 140°F (-20 - 60°C)
	Recommended Storage Temperature	59 - 77°F (15 - 25°C)
	Safety and Compliance	UL1973, UN38.3

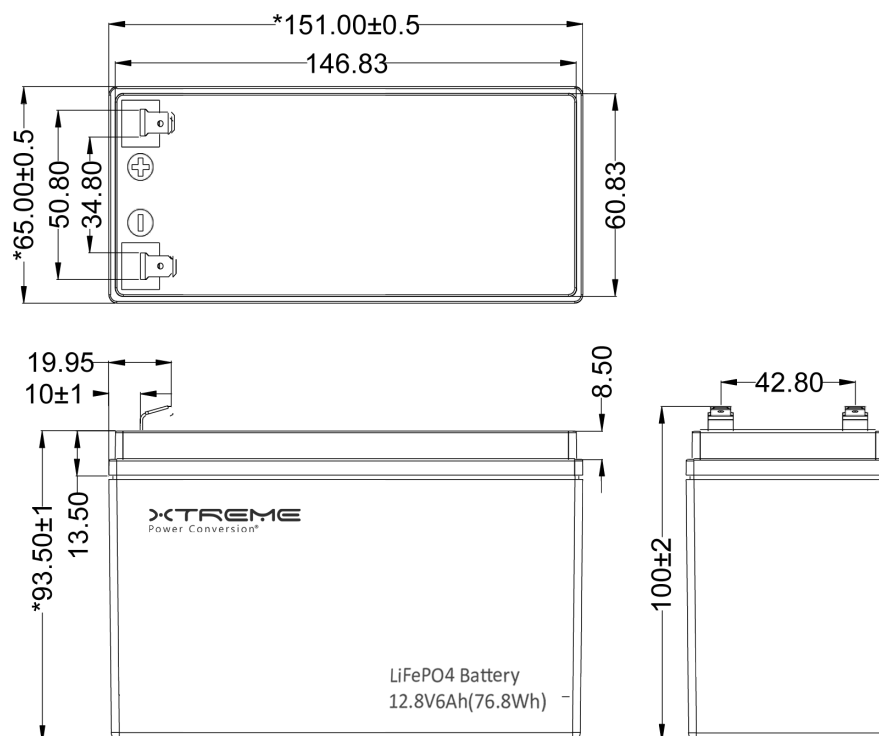
Constant Power Discharge

Constant Power Discharge Characteristics in Watts @ 25°C	End Voltage	5.7 min	7.5 min	15 min	30 min	45 min	60 min	90 min	120 min
	10.0	560	456	278	144	98	75	50	38

Constant Current Discharge

Constant Current Discharge Characteristics in Watts @ 25°C	End Voltage	7.5 min	15 min	30 min	45 min	60 min	90 min	120 min
	10.0	45	23	12	8	6	4	3

*Duration of maximum constant current is thermally limited by internal electronics and ambient temperature



Model number (XLi-12V6AH)
Dimensions are in mm

XTREME
Power Conversion®

Protect your business.

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