

## Advantages of a Lithium

- Extremely light weight, 70-80% lighter than your lead acid battery
- Very low self-discharge rate, it can hold a charge for the entire off-season (over 6 months) except in bikes with continuous draws such as a Harley
- Environmentally friendly, no lead or acid, non poisonous, non toxic, no hazardous waste
- Will not corrode or sulfate
- Will not freeze, boil or sulfate
- Wider operating temperature range than a lead acid
- Higher starting voltage while engine cranking means faster starts
- Can be mounted in any position
- Fast charging- can charge much faster than a lead acid
- Much longer life span than a lead acid
- LiFePO4 Chemistry is the most robust, safe and abuse tolerant on the market

## Dimensions (L)x(W)x(H)

Case A: 4.5 x 2.6 x 3.7in (113 x 66 x 95mm)

Case B: 5.3 x 2.6 x 4.1in (135 x 66 x 105mm)

Case C: 5.9 x 3.4 x 4.5in (150 x 86 x 115mm)

Case D: 6.9 x 3.4 x 6.1in (175 x 86 x 155mm)

Case E: 6.5 x 3.1 x 6.6in (166 x 79 x 168mm)

Case F: 5.9 x 3.4 x 3.6in (150 x 86 x 93mm)

Case G: 3.54 x 1.96 x 3.38in (90 x 50 x 86mm)

Case U: 6.5 x 5.1 x 6.6in (166 x 129 x 168mm)

### ETX Series Lithium Battery Specifications

Model	Volts	Ah (1C rate)	Crank Amps (PCA/CCA)	Weight	Case Size	Notes About ETX Series
ETX12A	13.2	4.0	220/135	1.3 lb (0.6Kg)	A	<i>The ETX Series is fully protected by an integrated battery management system (BMS) that protects the cell's from over discharge, over charge, short circuit, thermal protection and built in cell balancing to ensure charge levels are equal (balanced) 100% of the time for optimal performance and life.</i>
ETX18B	13.2	6.2	340/230	2.2 lb (1.0Kg)	B	
ETX18F	13.2	6.2	340/230	2.2 lb (1.0Kg)	F	
ETX24C	13.2	7.8	420/270	2.6 lb (1.2Kg)	C	
ETX36C	13.2	12.4	680/320	3.9 lb (1.8Kg)	C	
ETX36D	13.2	12.4	680/320	3.9 lb (1.8Kg)	D	

### ETZ Series Lithium Battery Specifications

Model	Volts	Ah (1C rate)	Crank Amps (PCA/CCA)	Weight	Case Size	Notes About the ETZ Series
ETZ5G	13.2	3.4	240/140	1.15 lb (0.52Kg)	G	<i>The ETZ Series is protected by a battery management system (BMS) that protects the cells from over charge, short circuit and built in cell balancing.</i>
ETZ14C	13.2	6.8	690/330	2.5 lb (1.1Kg)	C	

### ETX Hundred Series Lithium Battery Specifications

Model	Volts	Ah (1C rate)	Crank Amps (PCA/CCA)	Weight	Case Size	Aircraft / Race Car Guidelines
ETX104	13.2	4.0	N/A	1.3 lb (0.6Kg)	A	<i>Back Up battery provides power to your critical loads with built in current limiting, works with any engine and alternator size</i>
ETX680C	13.2	12.4	680/320	3.9 lb (1.8Kg)	C	<i>400ci engine size or less; 60 amp alternator or less</i>
ETX680	13.2	12.4	680/320	4.1 lb (1.86Kg)	E	<i>400ci engine size or less; 60 amp alternator or less</i>
ETX680-24-VNT	26.4	11.7	850/400	7.2 lb (3.2Kg)	U	<i>Designed for turbine engines (parallel configuration) and piston engines up to 550ci. 70 amp alternator or less</i>
ETX900	13.2	15.6	840/400	4.9 lb (2.2Kg)	E	<i>540ci engine size or less; 80 amp alternator or less</i>
ETX900-VNT	13.2	15.6	840/400	5.4 lb (2.4Kg)	E	<i>540ci engine size or less; 80 amp alternator or less; includes built in thermal runaway containment and venting for in cabin installation</i>
ETX900-24	26.4	15.6	840/400	8.9 lb (4.0 Kg)	U	<i>900hp turbine engines or 550ci piston engines, 80 amp alternator or less</i>
ETX1200	13.2	24.8	1200/600	6.9 lb (3.1Kg)	E	<i>550ci engine size or larger; 120 amp alternator or less</i>
ETX1600	13.2	32.0	1600/760	8.9 lb (4.0 Kg)	U	<i>550ci engine or larger, 160 amp alternator or less, race car or auto, UTV's, touring/police bikes, upgrade replacement for the lead acid YIX30 or U1 cases applications.</i>

### CERTIFIED ETX Hundred Series Lithium Battery Specifications

ETX680-24-TSO	26.4	11.7	850/400	7.2 lb (3.2Kg)	U	<i>FAA approved battery for certified aircraft. Need STC or Part 337 to install</i>
ETX900-TSO-REV A	13.2	15.6	800/390	5.4 lb (2.4Kg)	E	<i>FAA approved battery for certified aircraft. Need STC or Part 337 to install</i>

Only the ETX Hundred series are recommended for your primary engine aircraft battery. These models come with redundant electronic circuits on the BMS board and have an LED battery fault light indicator to alert you to cell health and state of charge. These features include over discharge protection, over charge protection, short circuit protection, excessive cranking protection (temperature sensing) in addition to integrated cell balancing technology.

## What Makes EarthX Different

- Leader in cutting edge technology with a fully integrated battery management system
- Multiple battery lines with customized battery management systems
- Most trusted and used lithium battery by OEM's; includes custom applications, aircraft, military and power sport vehicles
- American engineered and made product
- Torture and vibration tested
- Wider operational temperature range than other batteries. (-22° F to 140° F, -30° C to 60° C).
- Center mounted terminals for universal fitment (polarity)
- Custom made prismatic LiFePo4 cells



**They Really Are That Light!**

### About EarthX, Inc.

EarthX, Inc. is a Colorado based engineering and manufacturing company. Our mission is to provide a better alternative to the 160 + year old lead acid technology that is lighter, more powerful and lasts longer. EarthX, Inc. is proud to be an American manufacturer and is passionate about making the best quality lithium batteries.



### ETX / ETX Hundred / ETZ Series Lithium Batteries

When quality, performance and safety matter, EarthX is the most trusted and used brand in the industry for experimental aircraft companies, military and custom applications, and power sport manufacturers.

Remove weight and increase power,  
all with one product!



Proudly engineered and manufactured in the USA

## Accessories



OptiMate Lithium Battery Chargers



Assorted Battery Boxes



LED Lighting



Quick Connect Cables

### Warranty

The ETX and ETX Hundred Series have the best warranty in the industry, a full 2 years with no prorating. The ETZ Series has a full 1 year warranty.

### Contact Us

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