



BATTERIES UNLEASHED

ZAPBATT is revolutionizing the adoption of non-standard battery chemistries through our Battery Operating System, or **bOS**. By combining a state-of-the-art BMS with our patented bi-directional adaptive voltage terminal (BATV) for complete voltage flexibility, we facilitate the use of any alternative battery chemistries for customers specific needs, without the need for product redesign.

Initially specializing in Lithium Titanate Oxide (LTO) cells in partnership with leading provider Toshiba, we offer unmatched battery performance that delivers rapid charging, extremely long lifespan, and exceptional safety.

CURRENT MARKETS



MOBILITY & E-BIKES



POWERTOOLS



CORDLESS APPLIANCE



INDUSTRIAL & AUTOMATION



GOLF CARTS

WHAT WE DO



The Problem

Relying solely on standard lithium-ion* batteries for applications is like using a flip phone in an era of smart phones. Just as flip phones limit users to basic calls and texts, standard lithium-ion chemistries restrict businesses to a narrow range of performance capabilities. Specialized chemistries exist, but required substantial investment and complex reconfigurations—until now.



Meet bOS

Our Battery Operating System acts as the Windows or iOS for batteries, allowing any battery chemistry to seamlessly integrate into existing electronic systems.

*NMC, LCO, LFP

ADVANTAGES OF ZAPBATT bOS WITH LTO

FASTER CHARGING

80% in <10 mins

>15X FASTER THAN STANDARD LI-ION

LONGER LASTING

20,000+ cycles

>10X GREATER THAN STANDARD LI-ION

SAFE & PROVEN

Zero Fires

ZERO RECALLS OR THERMAL EVENTS

USE ANYWHERE

-30°C to 55°C

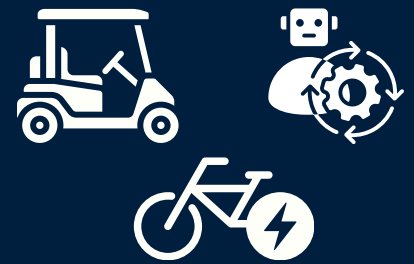
>40° WIDER THAN STANDARD LI-ION

Unleash Your Potential—Discover bOS Today!

e: contact@zapbatt.com
w: www.zapbatt.com



E-BIKES, MOBILITY, & LIGHT INDUSTRIAL



ZAPBATT E-Bike, Mobility, and Light Industrial batteries deliver unparalleled power for factory robots, e-bikes, and golf carts alike, offering unparalleled fast charging capabilities, exceptional durability, and prolonged longevity, all while prioritizing your safety. Our product line features two versatile standard configurations, with custom modifications to meet any requirement you may have.

ZAPBATT VS. COMPETITION

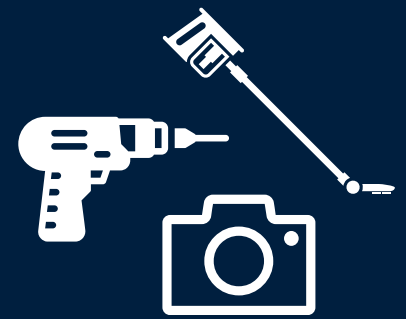
USEABLE LIFETIME

Competitors: 500 Cycles
ZAPBATT: 20,000+ Cycles

TIME TO 100% CHARGE

Competitors: 6 Hours
ZAPBATT: 20 Minutes

General Pack Specifications	Standard Pack 1	Standard Pack 2
Battery Pack		
Capacity (Wh)	360	560
Pack Output Voltage (V)	18 - 66V	24 - 66V
Total Pack Weight (kg)	~5.0	~6.0
Chemistry	Li-Titanate	Li-Titanate
Operating Temperature (°C)	-30 to 55	-30 to 55
Power Out / Power In		
Continuous Charge/Discharge Power (W)	1600	1600
Peak Charge/Discharge Current (A)	80	80
Charging Time		
Time to 80% (min)	15	15
Time to Full (min)	20	20
Life Cycles to 80% de-rate	20,000	20,000
Enclosure (For standalone systems - does not apply to fully integrated systems)		
Dimensions (LxWxH) (cm) *can be modified to fit custom requirements	35.6 x 12.1 x 7.4	35.6 x 12.1 x 9.9
Material	ABS or Aluminum	ABS or Aluminum
Available Rating	IP65-IP67	IP65-IP67



HANDHELD CONSUMER

ZAPBATT Consumer Micro batteries are engineered for rapid charging, long-lasting endurance, and unmatched safety, meeting the high demands of cameras, power tools, and cordless appliances. Our range features two adaptable standard configurations, along with customizable options to perfectly fit your specific needs.

ZAPBATT VS. COMPETITION

USABLE LIFETIME

Competitors: 300 Cycles
ZAPBATT: 20,000+ Cycles

REST TIME BEFORE CHARGING AFTER USE

Competitors: 30 Minutes
ZAPBATT: 0 Minutes

TIME TO 100% CHARGE

Competitors: 6 Hours
ZAPBATT: 20 Minutes

General Pack Specifications	Standard Pack 1
Battery Pack	
Capacity (Wh)	66
Pack Output Voltage (V)	14 - 60V
Total Pack Weight (kg)	~0.6
Chemistry	Li-Titanate
Operating Temperature (°C)	-30 to 55
Power Out / Power In	
Continuous Charge/Discharge Power (W)	500
Peak Charge/Discharge Power (W)	750
Charging Time	
Time to 80% (min)	8
Time to Full (min)	12
Life Cycles to 80% de-rate	20,000
Enclosure (For standalone systems - does not apply to fully integrated systems)	
Dimensions (LxWxH) (cm) *can be modified to fit custom requirements	7.6 x 10.2 x 3.8
Material	ABS
Rating	IP64-IP66