

# LTO BATTERY FAMILY



ACADA  
RENEWABLE EXPERIENCE

WITH UP TO **30,000**  
CHARGE CYCLES, LTO BATTERIES

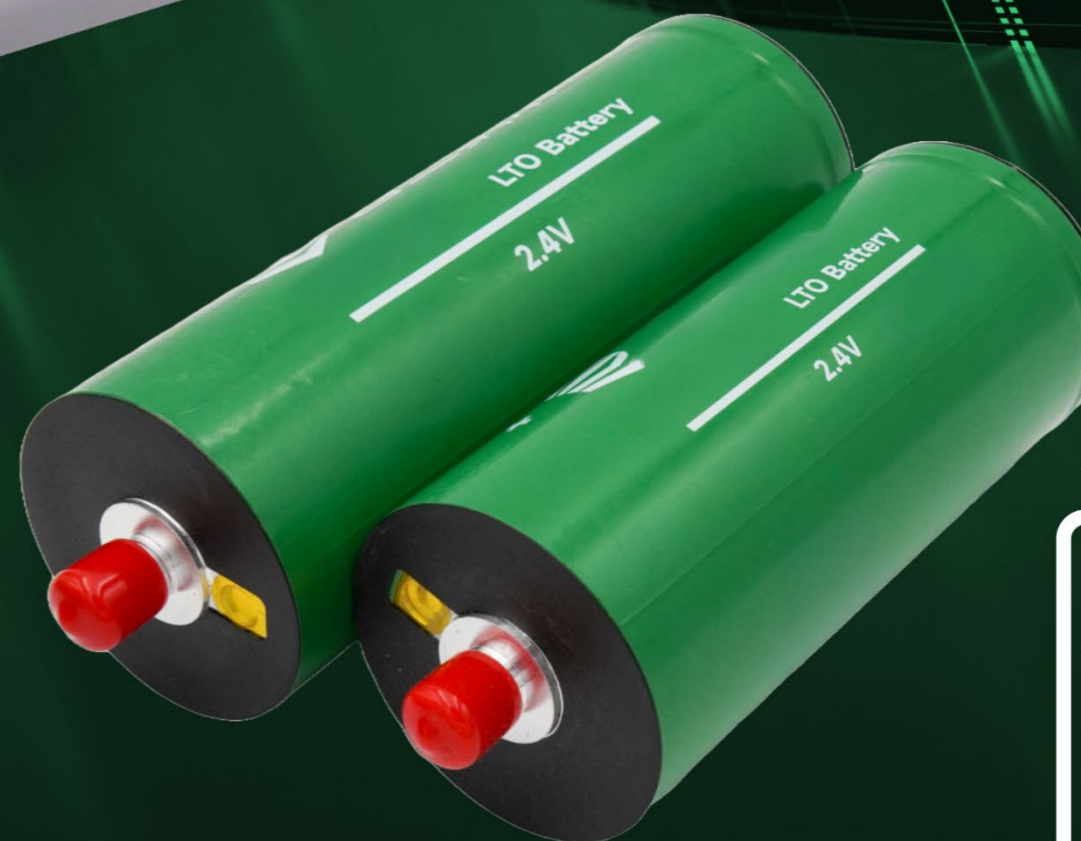
OFFER A LIFESPAN UP TO **60**  
TIMES LONGER THAN TRADITIONAL  
LITHIUM-ION BATTERIES.

THE BATTERY PERFORMS  
EXCEPTIONALLY WELL EVEN AT  
EXTREMELY LOW TEMPERATURES,

DOWN TO **-50°C**

THE MAXIMUM DISCHARGE RATE  
REACHES UP TO IMPRESSIVE

**30C**, ALLOWING FOR RAPID  
CHARGING AND DISCHARGING





Property	200226 LTO 2.4V 1500mAh	200229/200240 LTO 2.4V 24Ah	200230/200239 LTO 2.3V 24Ah PRO	200228/200241 LTO 2.4V 30Ah	200237/200238 LTO 2.3V 35Ah PRO	200224/200242 LTO 2.4V 40Ah
Weight	≤ 45 g	≤ 830 g	≤ 850 g	≤ 850 g	≤ 1060 g	≤ 1100 g
Size (∅ x length) without terminal	18.5 mm x 65.5 mm	60.4 mm x 136.9 mm	60.4 mm x 136.9 mm	60.4 mm x 136.9 mm	60.5 mm x 161.9 mm	60.4 mm x 162 mm
Nominal capacity	1500 mAh @ 1C (1500mA)	24 Ah @ 1C (24 A)	24 Ah @ 1C (24 A)	30 Ah @ 1C (30 A)	35 Ah @ 1C (35 A)	40 Ah @ 1C (40 A)
Nominal voltage	2.4 V	2.4 V	2.3 V	2.4 V	2.3 V	2.4 V
Nominal energy	3.6 Wh	57.6 Wh	55.2 Wh	72 Wh	80.5 Wh	96 Wh
Energy density	80 Wh/kg	69.4 Wh/kg	65 Wh/kg	85 Wh/kg	76 Wh/kg	87.3 Wh/kg
Resistance (AC, 1000Hz)	≤ 15 mΩ	≤0.5 mΩ	≤0.5 mΩ	≤0.5 mΩ	≤ 0.3mΩ	≤ 0.5mΩ
Cycle life (80% DOD)	≥ 12.000 cycles	≥ 10.000 cycles	≥ 20.000 cycles	≥ 15.000 cycles	≥ 30.000 cycles	≥ 10.000 cycles
Charging cut-off voltage	2.7 V	2.8 V	2.7 V	2.8 V	2.7 V	2.8 V
Discharging cut-off voltage	1.5 V	1.5 V	1.5 V	1.5 V	1.5 V	1.5 V
Standard charging current	1C (1500 mA)	1C (24 A)	1C (24 A)	1C (30 A)	1C (35 A)	1C (40 A)
Standard discharging current	1C (1500 mA)	1C (24 A)	1C (24 A)	1C (30 A)	1C (35 A)	1C (40 A)
Max. constant charging current	3C (4500 mA)	3C (72 A)	8C (192 A)	4C (120 A)	6C (210 A)	4C (160 A)
Max. constant discharging current	5C (7500 mA)	5C (120 A)	8C (192 A)	8C (240 A)	6C (210 A)	8C (320 A)
Max. charging current	5C (7500 mA)	6C (144 A)	20C (480 A)	12C (360 A)	20C (700 A)	12C (480 A)
Max. discharging current	8C (12000 mA)	10C (240 A)	30C (720 A)	20C (600 A)	30C (1050 A)	20C (800 A)
Temperature range for storage	Less than one year: -10~25°C Less than three months: -30~45°C					
Temperature range for operation	Charging temperature: -40~60°C Discharging Temperature: -50~60°C					
Terminals	Weldable	Weldable or M12				