URB24200
Technical Datasheet

LITHIUMPOWER®

Li-Ion LFP Benefits over SLA

- Uniform voltage during discharge
- No need to provide trickle charging to retain battery's charge
- Significantly lighter weight for the same amount of energy
- Battery does not become gaseous during use
- Nominal voltage is maintained over a wider temperature range

Features

- Integrated carry handles
- Can be properly charged using a 2 phase SLA charger
- IEC 62133-2 compliant

Applications

- Scooters / wheelchairs
- UPS battery replacement
- Solar power battery
- AGV

Constant Voltage Charge at 23°C	Voltage Regulation	Initial Current	Maximum Current
Standby Use	27.2V	4A	60A
Cycle Use	28.8V	10A	60A

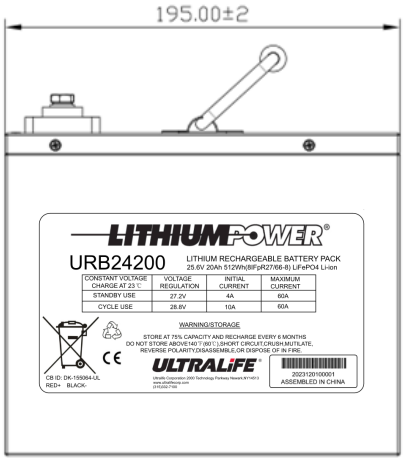
Technical Specification		
Part No.	URB24200	
Chemistry	Lithium Iron Phosphate (LFP)	
IEC Designation	8IFpR27/66-8	
Average Voltage	25.6V	
Nominal Capacity[1]	20.0Ah	
Voltage Range	18.0V - 28.8V	
Max. Continuous Discharge	60.0A	
Max. Pulse Discharge[2]	250 ± 30A	
Energy[1]	512Wh	
Energy Density	66Wh/kg, 111Wh/l	
Weight	Approx. 7.8 ± 0.3kg	
Cycle Life[3]	>2500 cycles	
Operating Temperature	-20°C to 60°C discharging 0°C to 45°C charging	
Storage Temperature	0°C to 40°C	
Internal Resistance	≤30mΩ	
Self-Discharge @ 23°C	<5% per month	
Memory Effect	None	
Exterior/Housing	Metal	
Terminals/Connector	M6 Screw Terminals	
Size	Length: Width: Height:	195 ± 2mm (7.68in) 132± 2mm (5.20in) 180 ± 2mm (7.09in)
Communications	None	
State of Charge Indicator	None	
Protection	Overcharge: Over Discharge: Over Current: Over Temperature: Short Circuit Cell Imbalance	3.75V (per cell) 2.00V (per cell) 250 ± 30A (10-100ms) 65 ± 5°C
Charging	Connect the battery to a DC power source using correct polarity and apply a maximum voltage of 28.8V. Limit the current to the recommended rate of10A and hold 28.8V until the current declines to 400mA. Maximum charge rate is 60.0A. Alternatively, you may apply a maximum charge voltage of 27.2V (limiting the current to 10A) and hold indefinitely to maintain the battery in a continuous standby state-of-charge of between 70-90%.	
Safety	Material Safety Datasheet -MSDS00240 Refer also to Safety Guide UBM-5112	
Certification	CB Scheme ID:DK-155064-UL UN38.3	
Transportation	Class 9 International and within U.S.[4] Excepted when shipped by motorcar or rail within U.S.	
Harmonized Tariff Schedule	8507.60.0020	

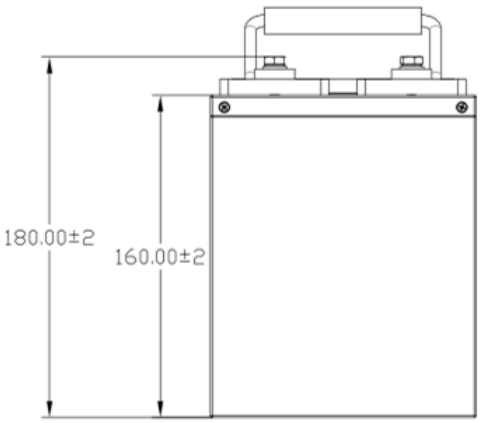
Notes

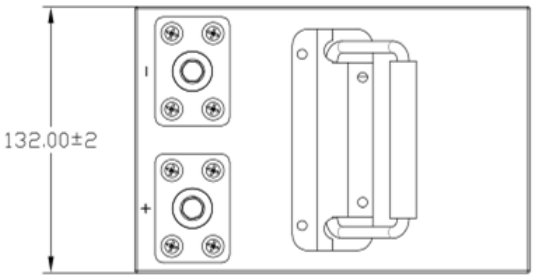
(1) Using a C/5 discharge rate at 25°C.
(2) Maximum pulse width of between 10ms and 100ms.
(3) Number of consecutive C/5 rate discharges and recommended charges at 25°±5°C until the battery reaches 80% of initial capacity.
(4) Transportation regulations, classifications and lithium content are available on the Ultralife China website.

ABLE New Energy (Ultralife China): Shenzhen, China • Tel: +86-755-82507771

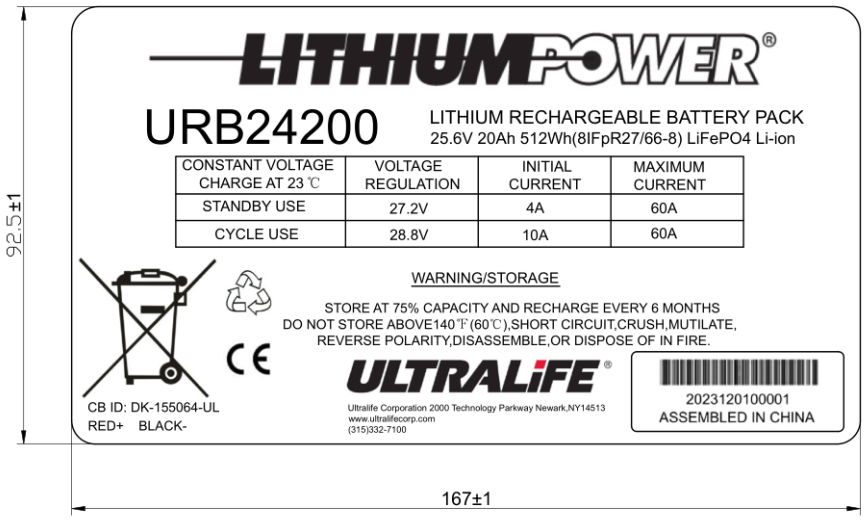
Dimensions







Unit: mm



Bar Code detall:
(Example:2023120100001)
20231201=YYMMDDBattery Pack Assembly Date
00001 =Battery Pack Serial Number

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