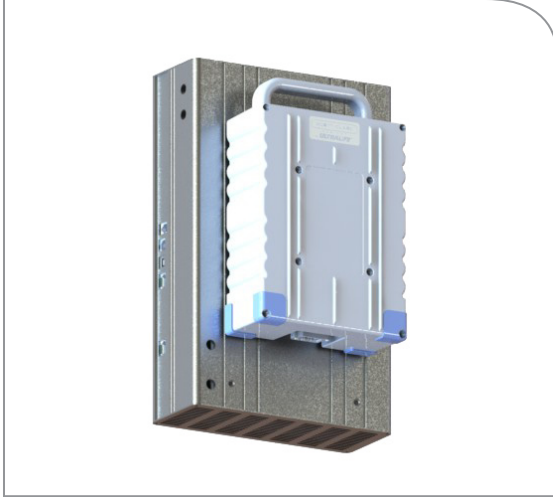


URS0010: Battery Management Power System

Technical Datasheet



Technical Specifications

Part No.	URS0010-xx (see note)	
AC Input	115-230VAC, 50-60Hz, Max 450W (see note)	
DC Output	11-13.8VDC @ 17A, 18A for 5s	
Charge Rate	10A	
Battery Type	12V LiFePO4 batteries	
User Interface	Optional SOC and alert indicators (see accessories)	
Connectors	AC Input: IEC 320-C14 2x Battery Power: 4 position Mini-Fit Sr. 2x Battery Communication (SMBus): RJ45 SOC: RJ14 6P4C Alert Indicator: RJ9 4P4C Other: USB Type B - Non-operational (contact Ultralife for more information)	
Size	TBD	
Weight	TBD	
Color	Hospital white and grey	
Exterior / Housing	Anodized aluminum, plastic or aluminum end caps	
Charging Temperature	0°C to 45°C (32°F to 113°F)	
Storage Temperature	-50°C to 65°C (-58°F to 149°F)	
Operating Altitude	27,000 ft. (8,229.6m)	
Storage Altitude	55,000 ft. (16,764m)	
Humidity	95% relative	
Certifications	UL6060-1 (pending)	
Optional Accessories	URB0012 Mating Connector Power Cable, 6ft SOC1 Module with Mating Connector Alert Indicator Module with Mating Connector	

Note	AC Line Cords Sold Separately: -01 North America -02 EU UK Ireland Hong Kong Malaysia Singapore Australia / New Zealand -03 China -04 Japan -05 Saudi Arabia	120V / 60Hz 230V / 50Hz 220V / 50Hz 100V / 50/60Hz 230V / 60Hz
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Features

- Hot-swap functionality: no interruption of power with removal of battery while other power source is present
- Works with one or two URB0012 batteries
- Can charge one URB0012 battery in approximately 2.5 hours
- Delivers full power to cart while simultaneously charging the batteries when AC input is present
- Communications with batteries using SMBus protocol gives many advantages, including:
 - Cycle count and State-of-Health monitoring
 - Priority charging and discharging based on SOC, cycle count, etc.
- Accurate SOC reporting of each battery

Benefits

- Meets demanding requirements of medical carts
- Rapid charge capability
- Lightweight, easy to install
- Safety is built-in
- Supports electric lifts, popular SFF computers with large displays and other items