

The new Ultralife URB12450-U1-SMB battery is the prime candidate to power carts and workstations!



Ultralife's new URB12450-U1-SMB ('U1' for short) is the prime candidate for powering carts and workstations in both medical and industrial applications.

When selecting a battery to power a medical or industrial application there will always be multiple candidates to consider. The Ultralife U1's résumé rises to the top of the list, boasting the following job winning attributes...



LiFePO₄

A SAFE PAIR OF HANDS

U1 utilises rechargeable Lithium Iron Phosphate (LiFePO₄) which is widely acknowledged as being one of the safest Lithium battery chemistries on the market.



FULL OF ENERGY

U1 has a nominal voltage of 12.8V and operates between 14.4V when fully charged & 10.0V when discharged. It has a capacity of 45.6Ah meaning an overall rated capacity of 584Wh - *more than enough energy for a full shift.*



A HARD WORKER

U1 can be charged and discharged more than 2,000 times before it needs to be replaced which means years of useful work before retirement.



EXCELLENT COMMUNICATION SKILLS

U1 communicates with a host device via its integrated System Management Bus (SMBus) interface. Devices can request pertinent battery information such as remaining runtime and cycle count for highly accurate power management



A TEAM PLAYER

U1 is designed to be 'plug and play' when used with inverters from Ametek Powervar and Tripp Lite, which are found in powered medical carts across the US and Europe.



YEARS OF EXPERIENCE'

U1 has been designed by Ultralife and is built in their established ISO 9001 and ISO 13485 certified facility alongside other mission critical batteries. *Failure is not an option for the U1.*



ULTRALIFE®

ULTRALIFE BATTERY & ENERGY PRODUCTS

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Contact us for more information or to discuss how to integrate our U1 into your cart or workstation

BE SMART URB12450

ULTRALIFE'S URB12450-U1-SMB Lithium Iron Phosphate (LiFePO₄) battery offers incredible performance in a wide range of transportable and stationary applications including medical carts, delivery robots and UPS systems. The inclusion of Ultralife's SMART CIRCUIT™ battery management electronics provides the user with accurate runtime information in addition to a balancing and protection system which maximizes both safety and performance.

The URB12450-U1-SMB is specifically designed to meet and exceed the most stringent safety and performance requirements of all times and under a host and battery, the URB12450-U1-SMB can be installed in any location and does not require charging in a vented area. When used in a rack application, more than 2,000 cycles are possible, making it a highly fit & forget solution for many applications. The inclusion of Ultralife's SMART CIRCUIT™ battery management electronics and SMBus communication port allows the device to communicate with the battery via SMBus. Important battery information such as Runtime to Empty, Remaining, Average State of Charge (SOC) and Cycle Count (CC) is available, making the battery an active part of any host device's power management system.

The URB12450-U1-SMB is qualified for use with medical and military from Tripp Lite and Powervar, making it a safe and reliable power source for your mission critical applications.

As a safety precaution, the URB12450-U1-SMB is inherently over-temperature protected, over-charge protected and over-temperature while a cell balancing system ensures the most battery cells operate in unison, providing a higher degree of safety, longer runtime per cycle and more cycles over its life.

KEY FEATURES

- Continuous medical cart inverters from Tripp Lite and Ametek Powervar
- Superior voltage during discharge
- No need for trickle charging to retain charge
- Significantly higher than S.A. batteries with the same weight
- Does not become gassing during use
- Stable voltage over an wide temperature range
- Can be properly charged using a 2 phase S.A. charger
- IEC 62323-2:2017 compliant
- SMBus communication interface
- Safe power delivery

COMMON APPLICATIONS

- Medical carts
- Escalator inverters
- UPS battery replacement
- Solar power delivery
- Robotics & motor loads

ASSEMBLED IN THE USA

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