

TITUS

from Devon Company

TITUS U1 Medical Series Batteries for Medical Carts


WIFI
Capability



TITUS®

MANUFACTURED
IN THE USA

12.8 VOLTS
51.2AH / 655WH
PN: TMS-U1/51

RoHS
Compliant



Intertek
UN/DOT 38.3

1/4 - 20 BOLTS x 1/2"

CAUTION: DO NOT
CRUSH, INCINERATE,
OPEN, OR EXPOSE TO
FIRE.



LiFePO₄

LITHIUM IRON PHOSPHATE

U1 RECHARGEABLE

CE

SM Bus 1.1

MAX INPUT
14.7 VOLTS

IEC 62133



Devon Company
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LONGEST RUN TIME AVAILABLE

Overview

This series offers the quality, reliability and safety the medical market demands. Our quality claim is backed up by U.L. certifications and 100% product testing. The TITUS series of batteries not only gives you longer run time and cycle life but also brings you the state of the art WI-FI communications system. This gives the customer the ability to service and trouble shoot the battery remotely.

This reduces technician time on the field, giving their customer increased productivity and potential capital reduction through increased equipment utilization.

Devon is proud to say that the TITUS U1- Medical Series is proudly Made in the USA, using state of the art electronics and mechanical design.

Key Benefits

- State of the art wireless communications system
- Remote Diagnostics
- Drop in replacement for U1 lead acid batteries
- Robust design due to large format cells (less weld points.)
- Multiple communication platforms including I2C & SMBus
- Zero Maintenance
- Communicates with inverter/chargers made by Tripp Lite and POWERVAR communications.
- Longer battery life
- Fast charging about 4~6 hours to be fully charged
- Lighter weight 1/3-1/2 in weight compared to SLA batteries
- Environmentally friendly
- Wide temperature performance
- Short circuit protection
- Outstanding thermal stability
- Over charge and over discharge protection
- Over current protection
- Easy carrying and installation
- Low self-discharge

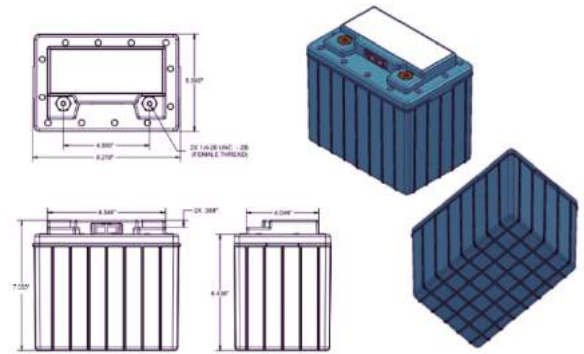
About Us

- Devon Company was founded in 1990 in Watertown, CT with the goal of supporting the electronics industry with quality battery products at a reasonable price.
- With time and evolution of the electronics industry, Devon Company has grown to keep up with the industry demands by sourcing innovative products in every electrochemistry, to deliver the highest energy density, wide operating temperature, long life and safety.
- Devon Company is committed to its customers and has invested heavily in human capital as we strongly believe that "human capital is the most important asset in technology".
- Devon Company has exclusive partnerships with cell and battery manufacturers which gives Devon the advantage to support our customers in diverse markets with multiple chemistries.
- With excellent customer support, short lead time, excellent technical support, at a competitive price; Devon Company has become the solution provider of choice in the energy market.

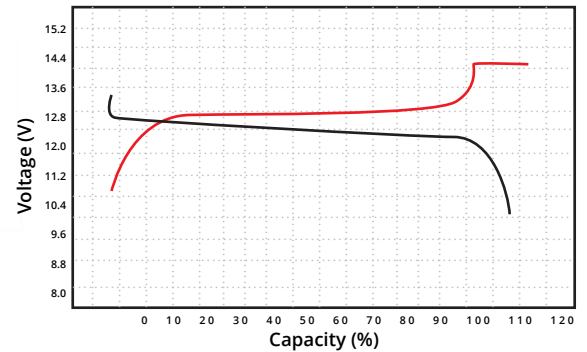
Specifications

Battery Pack Configuration	4s-10p/8p
Battery Fuel Gauge	Texas Instruments
Battery Protect IC	Texas Instruments
Microprocessor	PIC
Communication	SMBus 1.1
Pack Voltage	12.8V
Pack Capacity-Ah	55Ah/ 44Ah
Pack Capacity-Wh	704Wh/563Wh
Discharge Current- Maximum Continuous	Up to 25A
Charger	Tripplite / Powervar
Charging Voltage	14.6V
Charging Current	Up to 25A
Discharge Cutoff Voltage	11.5V
Temperature Range Charge	0°C to +60°C
Temperature Range Discharge	0°C to +60°C
Weight	44Ah - 12lbs/5.5kg 55Ah - 15lbs/6.5kg

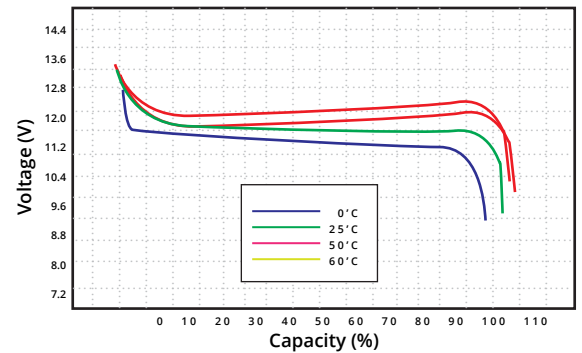
Mechanical Drawings



Charge/Discharge at -C/2 @ 25°C



Discharge at -C/2 @ various temperatures



Lifetime at 0.5C, 80% DoD @ 25°C

