

PARTNERING TO SAVE YOU TIME, ENERGY & MONEY!

TITUS U1 Medical Series 12.8V, 44Ah Battery

- Lightweight, drop-in replacement for U1 size, 12 Volt, Sealed Lead Acid (SLA) battery applications
- Highly reliable, robust, long-life, Iron Phosphate, rechargeable battery solution
- Safest and most environmentally-friendly battery chemistry available today



AL-82821
Call for Custom Quote

Why U1?

- Increased life cycles up to 10 times over Sealed Lead Acid batteries
- 1/3 the weight of conventional SLA battery offerings
- Zero maintenance
- Reduces technician replacement cost
- Fast recharge enables increased productivity and uptime of carts
- Potential capital reduction through increased equipment utilization

**Low Total
Cost of
Ownership***
(48% cost saving per battery**)

	Sealed Lead Acid Battery	U1LiFe Battery
RunTime <i>(Based on chemistry energy density)</i>		 2x Run Time
Cycle Life <i>(100% DOD)</i>	250 Cycles	2,000+ Cycles
Lifespan <i>(Based on daily use)</i>	<1 year	5+ years
Weight	 1/3 Weight	

*Conversion charts available @ www.alcosales.com

**Estimated total cost of ownership based on 5-year span

Applications

- Patient Monitoring: Mobile & Portable Ultrasound, Medical Carts, Portable X-Ray
- Compatible with all Medical Cart brands that feature the following Triplite inverter systems:
 - HC150SL
 - HCINT150SL
 - HC120DC

Features

- Iron Phosphate Lithium-Ion Technology
- Built-In SMBus Battery Management System
- RJ45 Connection Ports
- LED Status Indicator
- Battery Protection Circuitry
- Cell Balancing Circuitry
- Long Cycle Life

Safety / Agency Information

All U1 series batteries have been certified to the following safety and performance standards:

- UN38.3
- UL2054

**Copies of the certifications are available upon request*



Specifications	U1-40
Nominal Voltage	12.8 Volts
Nominal Capacity	44 Amp Hour (563Wh)
Continuous Discharge Current	up to 25 Amps
Pulse Discharge Current	110 Amps <15ms, 300 Amps<827μs (@ 25°C)
Operating Temperature Range	-20° C to +60°C
Storage Temperature Range	-40° C to +60°C
Maximum Charge Voltage	14.4 Volts
Float Voltage Charge	13.8 Volts
Max Charging Current @ 25°C	up to 25 Amps
Weight	4.7Kg
Dimensions (L x W x H)	209 x 137 x 185mm
Communication	SMBus
Operating Humidity	20% - 80%
Shipping Classification	Class 9
Battery Terminals	1/4-20 Female Thread
Case Flame Rating	UL-94 V-0

Video demonstrations, Total Cost of Ownership charts and other technical data available at www.alcosales.com or by calling 1-800-323-4282

Manufactured By:

Devon Company
680 Main Street, Suite 206,
Watertown, CT 06795

800-945-1177
www.devon-company.com

Devon Company

U1 Series Medical
Cart Batteries

Distributed By:

ALCO Sales & Service Co.
6851 High Grove Blvd.
Burr Ridge, IL 60527

800-323-4282
www.alcosales.com

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