

U1LiFe 24V SERIES Long-Life Lithium Iron Phosphate Battery

A highly reliable, robust,
longer-life solution



When powering your 24V device, you can count on the U1LiFe™ Battery from Inventus Power. U1LiFe Series Batteries exceed the highest set of regulatory standards to provide a reliable and safe power solution. They are a lighter weight, drop-in replacement for U1 size, 24 Volt battery applications with the added benefit of an integrated microprocessor to provide host communication (SMBus 1.1), integrated cell and pack protection, and cell balancing circuitry.

Available with 25.6 Amp-hours (655 Watt-hours), U1LiFe Series Batteries feature Lithium Iron Phosphate technology, which is the safest and most environmentally-friendly battery chemistry available today. Plus, with a cycle life in the thousands, maintenance time and costs are reduced, thus delivering a low total cost of ownership over the lifetime of the product.

FEATURES

- Lithium Iron Phosphate Technology
- Increased life cycles up to 10 times over Sealed Lead Acid
- Three times the reduction in weight over conventional battery offerings
- Cell-balancing circuitry to increase runtime and battery life
- Integrated cell and pack protection
- Customized safety circuitry, fuel gauges and firmware design
- Multiple communication platforms including I²C & SMBus
- Dual RJ45 Connection Ports
- Applications Include: Patient Monitoring, Mobile & Portable Ultrasound, Medical Carts, Portable X- Ray, Uninterruptible Power Supplies, Utility Carts, E-mobility Devices, Electric Wheel Chairs

Specifications	
Configuration	64 Cells: 8S8P
Nominal Voltage	25.6 Volts
Nominal Capacity	25.6 Amp Hour
Continuous Discharge Current	20 Amps
Pulse Discharge Current	28 Amps < 5 secs 50 Amps < 10 millisecs 200 Amps < 0.2 millisecs
Operating Temperature Range	0°C to 40°C (Charging) -20°C to 60°C (Discharging)
Storage Temperature Range	-20°C to +65°C
Maximum Charge Voltage	29.2 Volts
Float Voltage Charge	27.6 Volts
Weight	6.0Kg
Dimensions (LxWxH)	209x137x186mm
Communication	SMBus
Operating Humidity	5% to 95%
Shipping Classification	Class 9
Battery Terminals	1/4-20 Female Thread
Case Flame Rating	UL-94 V-0

Safety / Agency Information	
Certified to the following	UN/DoT 38.3 IEC62133 UL 1642 UL2054 CE Mark

RJ-45 Connector Pin-Out	
Pin 1	GND
Pin 2	RESERVED
Pin 3	RESERVED
Pin 4	RESERVED
Pin 5	RESERVED
Pin 6	SCL
Pin 7	SDA
Pin 8	5V RESERVED


