



U1-40, U1-45 & U1-50
Medical Batteries

U1LiFe Series Medical Batteries

Lithium Iron Phosphate (LFP)

Model Number	U1-40	U1-45	U1-50
Nominal Voltage	12.8 Volts	12.8 Volts	12.8 Volts
Nominal Capacity	38.4 Amp Hour (491.52Wh)	44.8 Amp Hour (573.44Wh)	51.2 Amp Hour (655.36Wh)
Continuous Discharge Current	20 Amps	20 Amps	20 Amps
Pulse Discharge Current	28 Amps < 10 secs 50 Amps < 30 ms 110 Amps < 15 ms 310 Amps < 827µs (@25°C)	28 Amps < 10 secs 50 Amps < 30 ms 110 Amps < 15 ms 310 Amps < 827µs (@25°C)	28 Amps < 10 secs 50 Amps < 30 ms 110 Amps < 15 ms 310 Amps < 827µs (@25°C)
Operating Temperature Range	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C
Storage Temperature Range	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C
Maximum Charge Voltage	14.4 Volts	14.4 Volts	14.4 Volts
Float Charge Voltage	13.8 Volts	13.8 Volts	13.8 Volts
Weight	4.7Kg	5.3Kg	6.0Kg
Dimensions (LxWxH)	209x137x185mm	209x137x185mm	209x137x185mm
Communication	SMBus	SMBus	SMBus
Operating Humidity	20% to 80%	20% to 80%	20% to 80%
Shipping Classification	Class 9	Class 9	Class 9
Battery Terminals	1/4-20 Female Thread	1/4-20 Female Thread	1/4-20 Female Thread
Case Flame Rating	UL-94 V-0	UL-94 V-0	UL-94 V-0
Agency Approvals	IEC 62133, UN/DoT 38.3, UL 1642, UL 2054, CE Mark	IEC 62133, UN/DoT 38.3, UL 1642, UL 2054, CE Mark	IEC 62133, UN/DoT 38.3, UL 1642, UL 2054, CE Mark