R series™

SurePower System: Unprecedented cost-effective defibrillator battery management

Clinicians need to be sure batteries that power life-saving equipment will work when needed. Defibrillator batteries are often replaced unnecessarily to ensure dependable performance, often because of the difficulty of insuring the battery's condition. The ZOLL® SurePower™ System brings clinicians the confidence that batteries will meet user demands, and removes the uncertainty that drives costly maintenance practices.

Runtime eliminates guesswork

Caregivers need to know how long the defibrillator battery will run. The SurePower Battery Pack eliminates guesswork by communicating in understandable language: "Runtime" (i.e., "30 minutes remaining") versus "capacity" (i.e., "25% remaining").

Runtime Indicator

Reduce costly battery replacements

Conventional Pass/Fail indicators do not account for the differences between a new battery and old batteries about to fail. The SurePower System lets you distinguish between a battery approaching the end of useful life and one that can confidently be returned to service, even if it is old.

Battery systems do not account for the unique demands on defibrillator batteries used in different environments. As a result, batteries deployed to low-use environments (i.e., crash carts) are replaced prematurely. With a capability to select performance criteria, the SurePower Manager Software helps users eliminate premature disposals in light use areas, while ensuring sufficient runtimes for more demanding applications (i.e., transports).

An automated approach

Battery management is typically a time-consuming, manual task. Rotating SurePower Battery Packs through the SurePower Charger Station as a part of your periodic defibrillator maintenance program is now all that is required. The System automatically tests and calibrates the battery as required, and records its status and use history in the background.

Bring certainty to the planning process

SurePower Manager Software lets you automatically track the status of your entire battery fleet, providing an insightful, concise picture of future battery needs/replacements.

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Advancing Resuscitation. Today.™

SurePower System brings value and efficiency to battery management

Specifications

SurePower Battery Pack
Chemistry: Lithium Ion
Length: 16.5 cm (6.5 in.)
Width: 5.7 cm (2.25 in.)
Height: 4.4 cm (4.4 in.)
Weight: 0.77 kg (1.7 lbs)
Voltage: 10.8 Vdc
Capacity: 5.8 Amp Hours
User Interface: Display Button
LED Indicators: Runtime, Calibration Required, Fault
Temperature:
- Operation: 0° to 50° C (32° to 122 °F)
- Charging: 15° to 35° C (59° to 95° F)
- Storage: -40° to 60°C (-40° to 140 °F)

Charge Time: 4 Hours (for fully depleted battery in SurePower Charger Station)

SurePower Charger Station
Length: 40.6 cm (16 in.)
Width: 27.9 cm (11 in.)
Height: 15.5 cm (6 in.)
Weight: 6.8 kg (15 lbs) Without Batteries
Power Required: 90-265V AC (50-60 Hz)
Power Consumption: 200 Watts Maximum
Number of Battery Wells: 4
Temperature:
- Operation: 0° to 50° C (32° to 122° F)
- Optimal Battery Charging: 15° to 35° C (59° to 95° F)
- Storage: -40° to 70° C (-40° to 158° F)

Humidity: 5% to 95% Relative Humidity
User Interface: Test Button
Indicators: AC On, Battery Charging, Battery Ready, Battery Testing, Fault
Compatible with: ZOLL Sealed Lead Acid and Lithium Ion Batteries, including 4410 Battery, 4410 Smart Battery, XL Battery, SurePower Battery Pack
Charging Protocols: AutoTest, QuickCharge, FloatCharge, Manual Test
Communications: SMBUS, RS-232

SurePower Manager Software PC Requirements (minimally validated configuration):
Processor: Intel® Pentium® III
Operating System: Windows® 2000 or XP
Browser: Windows Internet Explorer 6.0 or higher
Hard Drive: 50 MB available disk space
Memory: 512 MB
CD-ROM: 4x or better
Label Printer (optional): Dymo SE 300
Communication Port: RS232

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