



SprintPack™

Capability in a small package. The SprintPack allows the LTV to move with the patient. The SprintPack Lithium-Ion Power System emphasizes the Freedom of Portable ICU Ventilation and ability to move. The SprintPack connects the LTV® and external power sources to facilitate the connection of the AC power supply, automobile lighter adapter, and even 24 volt wheelchair batteries. SprintPack employs lithium-ion technology to deliver longer lasting power from an amazingly light weight package.



SprintPack Battery Packs



SprintPack Pictured in the Transport Pack



CardinalHealth

SprintPack

Extended Battery Operation - Hot Swap™ Capability

The Power Manager in SprintPack allows the user to HotSwap battery packs. HotSwap capability simply means that the ventilator continues to operate as the user removes one or both of the lithium-ion battery packs and replaces them with spare, charged battery packs. This allows the range and backup time to be extended indefinitely as additional battery packs are used.

UPS Functionality

SprintPack also operates as an Uninterruptible Power Supply (UPS). SprintPack connects between the LTV and the Power supply. When the power supply is plugged into a wall outlet, the SprintPack battery pack will charge. Should wall power be interrupted, SprintPack will provide power with no interruption or user interaction.

Improved Battery "Gas Gauge" - 99% Accuracy

SprintPack employs new technology in the gas gauge which indicates remaining charge. The new technology measures the battery pack level in new ways to assess its remaining charge.

SprintPack Specifications

Physical Specifications:

Weight:	4.5 lbs
Height:	1.65 inches
Width:	6.70 inches
Depth:	10.85 inches

Power Specifications:

Input Voltage:	11 - 29 VDC
Output Voltage:	11 - 15 VDC
Operating Time:	2.5 hours one battery; 5 hours two batteries
Recharge Time:	3 hours one battery; 5 hours two batteries
Battery Chemistry:	Lithium Ion
Cycles:	400 full cycles at 70 F / 21 C

Power Indicators:

Charge Status:	5 segment LEDS
10% Remaining Charge:	1st LED flashes yellow at 2Hz
Recharging:	LED blinks current capacity at 1 Hz
Fully Recharged:	All 5 LEDS illuminated

Environmental Specifications:

Operating Temperature:	5 C to 40 C
Storage Temperature:	-20 C to 50 C
Operating Humidity:	15% to 95% relative
Storage Humidity:	10% to 95% relative

Standards Compliance:

Shock & Vibration:	MIL-STD-810F, IEC68-2-27, IEC68-2-34, IEC68-2-6
Water Ingress:	IEC 529 IPX1 IEC 601-1, Clause 44.3
EMC Compatibility:	IEC 60601-1-2 Emissions, Immunity and ESD
RF Emissions:	RTCA DO-160D Section 21.4 Cat. M MIL-STD 461D RE 101
ESD Protection:	ASTM F1246-91 4.14.3.1
Safety:	IEC/UL 60601-1 CAN/CSA-C22.2 No. 601.1-M90
Shipping/Transport:	ISTA-2A UN/DOT Certified -Normal Cargo (< 8 grams Lithium per pack)
Compliance:	ISO 13485



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