

SprintPack Lithium-Ion Power System

Unlimited, uninterrupted hot-swappable power

The SprintPack Lithium-Ion Power System is equipped with advanced technology designed to empower its users with comfort, confidence and convenience.

Lithium-ion technology provides the greatest degree of power density in the lightest-weight package of any battery type. This provides LTV® ventilator users longer battery power in a smaller and lighter package. The SprintPack Lithium-Ion Power System also provides a higher number of full recharging cycles that extends the life of the battery to provide greater long-term value.



Key features include:

- Hot-swappable
- Multiple recharging options
- Uninterruptable power supply
- LED charge level indicators
- Lightweight lithium-ion technology

Unlimited, uninterrupted hot-swappable power

When using the SprintPack Lithium-Ion Power System, you may take out one battery at a time, leaving the other charged battery in place without interrupting power. Upon replacing a spent battery with a charged power cell, the SprintPack power manager automatically switches to the remaining, installed charged power cell. This allows you to swap spent cells with recharged cells almost indefinitely without losing power to the ventilator.

Uninterruptable power supply functionality

The SprintPack Lithium-Ion Power System operates as an uninterruptable power supply for the LTV ventilator and works in line with the ventilator and power supply, simultaneously recharging and powering the ventilator. If the power from the wall outlet or other source is interrupted, the SprintPack Lithium-Ion Power System immediately takes over to power the ventilator without interruption or any action by the user or caregiver.

Lighted power gauge

SprintPack power cells use a lighted gauge to indicate the amount of charge remaining in the cell. SprintPack batteries can be charged from AC or DC power sources, such as in an automobile, in an emergency service vehicle or when connected to a wheelchair battery. The AC power adapter can recharge from wall outlets in line with the ventilator or separately to prepare for the next use.

Physical specifications	
Weight	4.5 lb (2.04 kg)
Height	1.65" (4.19 cm)
Width	6.70" (17.02 cm)
Depth	10.85" (27.56 cm)

Power specifications	
Input voltage	11 to 29 VDC
Output voltage	11 to 15 VDC
Operating time*	2.5 hr, 1 battery 5 hr, 2 batteries
Recharge time	3 hr, 1 battery 5 hr, 2 batteries
Battery chemistry	Lithium-ion
Cycles	400 full cycles at 70 °F (21 °C)



Environmental specifications	
Operating temperature	41 to 104 °F (5 to 40 °C)
Storage temperature	-4 to 122 °F (-20 to 50 °C)
Operating humidity	15 to 95% relative
Storage humidity	10 to 95% relative

Power indicators	
Charge status	5 segment LEDs
10% remaining charge	1st LED flashes yellow at 2 Hz
Recharging	LED blinks current capacity at 1 Hz
Fully recharged	All 5 LEDs illuminated

Standards compliance	
Shock and vibration	MIL-STD-810F, IEC 68-2-27, IEC 68-2-34, IEC 68-2-6
Water ingress	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
ESD protection	ASTM F1246-91 4.14.3.1
Safety	IEC/UL 60601-1
Shipping/transport	Normal cargo (< 8 g lithium per pack)

* At nominal ventilator settings

For more information, please contact Customer Service for the United States at **800.754.1914** and International at **+1 763.398.8300**.

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