






Optimizing portability. Improving patient care.

LTV® ventilator power accessories






Our external power accessories empower clinicians to provide portable ventilation with the LTV® ventilator to patients on the ground, in the air and throughout the hospital. With a variety of battery and power supply options to choose from, you can provide optimal ventilatory care based on your patient's needs.



LTV® series battery systems

	SprintPack™	Dual/single TBS	9-hour	3-hour	Universal power supply
					
Advantages	Hot-swappable batteries, lightweight, AC and DC charging options, easily shipped, long cycle life; use together with the LTV® ventilator in a transport backpack; accepts 24 VDC input for connecting to wheelchair batteries	Lightweight Transport Battery System (TBS); use together with the LTV® ventilator in a transport backpack	Low cost, long-lasting power; mount to ventilator stand	Low cost	Low cost, audible alarms
Power indicator	5-segment LED	5-segment LED	N/A	N/A	5 segment LED
Chemistry	Lithium-ion	Lithium-ion	Sealed lead-acid	Sealed lead-acid	Sealed lead-acid
Uninterruptible power supply	Yes	No	No	No	Yes
Operating time*	2.5 hours (1 battery) 5 hours (2 batteries)	3 hours (1 battery) 6 hours (2 batteries)	9 hours	3 hours	4 to 6 hours
Recharge time	3 hours (1 battery) 5 hours (2 batteries)	4 hours per battery	8 hours	4 hours	4 to 6 hours
Weight	4.5 lbs	2.7 lbs per battery; 5.4 lbs	26.5 lbs	8.6 lbs	21.6 lbs
Dimensions (L x W x D)	1.65" x 6.7" x 10.85"	2" x 6" x 9.3"	7.1" x 5.2" x 7.7"	4.1" x 4" x 6"	8.5" x 9.2" x 5.6"
Input voltage	11 to 29 VDC				90 to 264 VAC
Output voltage	11 to 15 VDC	14.4 VDC	12 VDC	12 VDC	13.0 VDC ± 15%
Cycles	400 full cycles at 70° F (21° C)	150 full cycles at 70° F (21° C)	N/A	N/A	N/A
Capacity	6.6 Ah (1 battery) 13.2 Ah (2 batteries)	9 Ah (1 battery) 18 Ah (2 batteries)	33 Ah	12 Ah	20 Ah
Capacity/weight	2.93 Ah/lb	3.33 Ah/lb	1.24 Ah/lb	1.39 Ah/lb	0.93 Ah/lb
Time/weight	1.11 hours/lb	1.11 hours/lb	0.34 hours/lb	0.39 hours/lb	0.18 hours/lb
Part number	19222-001	17332-001 (Dual) 17563-001 (Single)	10800	10900	14546-001

LTV® series battery systems (continued)


	SprintPack™	Dual/single TBS	9-hour	3-hour	Universal power supply
					
Original system	Includes: SprintPack™ power manager and 2 SprintPack™ batteries	Dual includes: 1 LTV® transport pack, 2 lithium-ion batteries and 2 battery chargers. Single includes: 1 LTV® transport pack, 1 lithium-battery and 1 battery charger	Includes: 12 volt/33 Ah battery, battery box w/strap, DC charger and battery cable	Includes: 12 volt/12 Ah battery, padded battery bag w/cable, DC charger and battery cable	Includes: 13 volt/20 Ah battery, hospital-grade power cord, battery charger with meter and DC power cord
Standards and compliance information					
Shock and vibration	MIL-STD-810F IEC68-2-27 IEC68-2-34 IEC68-2-6	MIL-STD-810F			MIL-STD-810F IEC68-2-27 IEC68-2-34 IEC68-2-6 MIL-STD-810E
Water ingress	IEC 529 IPX1 IEC 601-1, clause 44.3	IEC 529 IPX1 IEC 601-1, clause 44.3			IP 21/IEC 60529
EMC compatibility	IEC 60601-1-2 Emissions immunity and ESD	IEC 60601-1-2 Emissions immunity and ESD			IEC 60601-1-2
RF emissions	RTCA-DOT-160D Section 21.4 Cat. M MIL-STD 461D RE 101	RTCA-DOT-160D Section 21.4 radiated RF interference			
ESD protection	ASTM F1246-91 4.14.3.1	ASTM F1246-91 4.14.3.1			
Safety	IEC/UL 60601-1 CAN/CSA-C22.2 No. 601.1-M90	IEC 60601-1			MIL-STD-514.4
Shipping/transport	ISTA-2A UN/DOT Certified – Normal cargo (<8 grams lithium per pack)	Ground shipping only			
Compliance	ISO 13485 CE 0086	ISO 13485 CE 0086			


*Operating times may vary based on the power usage as determined by the patient settings while operating on battery power.

When not in use, remove the SprintPack™ batteries from the SprintPack™ power manager. During long-term storage, store the SprintPack™ batteries at a charge level of 30 to 50% (2 to 3 lit LEDs) to optimize shelf life.

For more information, please contact Customer Service within the USA at: 800.754.1914 and International: +1 763.398.8300.

 **WARNING:** U.S. Federal Law restricts this device to sale by or on the order of a physician.

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