



SOLOPACK™ II LI-ION BATTERY

RECHARGEABLE ENERGY IN A COMPACT, SOLDIER-CENTRIC FORM FACTOR

GALVION SOLOPACK™ II BATTERY delivers an extended power alternative to our widely adopted and used SoloPack™ battery. With 140 Wh of power and a flexible flying lead, the SoloPack II offers 40% more power while maintaining all of the industry-leading features of the original 98 Wh SoloPack. Small, lightweight and energy-dense, this next generation model is designed to support operational power needs and for short duration missions of up to 24 hours.



KEY FEATURES

- High power density — for a typical 24-hour mission
- Flexible lead connection
- Bottom contact charging
- Push-button state-of-charge display
- Compact enough to fit in a rifle magazine pouch
- Next-generation Nett Warrior connector allows faster charging and additional current flow
- Can be recharged while in flight. Certified safe-to-fly
- Designed, engineered, and manufactured in the United States
- Meets or exceeds UN 38.3 certification for Lithium-ion batteries, IEC 62133-2 safety standards and MIL STD 810 H environmental test methods and engineering considerations for military equipment

APPLICATIONS

- Soldier Systems
- Portable Field Equipment
- Soldier Carried Advanced Sensors and Optics
- Precision Navigation Equipment
- Health Monitoring and Medical Equipment



SoloPack™ II has a flexible lead to connect in any orientation and bottom contact charging for faster and more convenient charging connection.

PART NUMBER
015-766

TECHNICAL SPECIFICATIONS

DIMENSIONS	L 7.4" (188mm) x W 3.1" (79mm) x H 1.6" (40mm)	
WEIGHT	1.65lbs (750g)	
POWER	ENERGY DENSITY: 184 Wh/Kg NOMINAL VOLTAGE: 14.76V MAX DISCHARGE: 7.5A continuous ENERGY: 140Wh	VOLTAGE RANGE: 11V to 16.8V NOMINAL CAPACITY: 9.6Ah PEAK DISCHARGE: 32A <600 ms

SPECIFICATIONS

OPERATING TEMPERATURE	CHARGING: -40°F (-40°C) to 122°F (50°C) DISCHARGING: -40°F (-40°C) to 149°F (65°C) Note: A smart charger is required when charging below 32°F (0°C) or above 113°F (45°C)	
STORAGE TEMPERATURE	-40°F (-40°C) to 158°F (70°C)	
WATER IMMERSION	Waterproof at 3.28ft (1 meter) for 30 mins (as per MIL-STD-810 Method 512.6)	
COMMUNICATION	SMBus v1.1	
CYCLE LIFE	>1000 Cycles	
STATE OF CHARGE	5 LED Push Button Activated (20% increments)	
EMI	MIL-STD-461, CE101, CE102, CS114, CS115, CS116, RE101, RE102, RS103	
SAFETY	- Over Voltage: 4.25 V (per cell) - Under Voltage: 2.25 V (per cell) - Over Current Protection 7.75 A - Re-settable Fuse: 70°C +/- 5°C Trip (158°F +/- 9°F) - Permanent Fuse: 91°C (195.8°F) - Re-settable short circuit protection: 32 A @ 600 ms	
CHARGING	COMPATIBLE CHARGERS	NSN
	Squad Power Manager™ (SPM)	6130-01-626-9656
	Max-8™	6130-01-677-7011
	Desktop Battery Charger (DBC)	-
TRANSPORTATION	Class 9 Dangerous Goods. Contact Galvion for transportation requirements.	

CONNECTOR DETAILS

CONNECTOR: AMPHENOL 10-742969-06S (NW COMPATIBLE) NO VOLTAGE PROGRAMMING	 MATING FACE VIEW OF RECEPTACLE SHOWN	PIN	NAME
		1	BATTERY +
		2	BATTERY -
		3	CHARGE +
		4	SMBUS DATA
		5	SMBUS CLOCK
		6	SMBUS ID