



Solopack II 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.



NEVER RUN OUT OF POWER

 **GALVION**

Technical Specifications

Physical

Dimensions

- 7.4" x 3.1" x 1.6"
- 188mm x 79mm x 40mm

Weight

- 1.65lbs
- 750g

Communication

- SMBus v1.1

Cycle Life

- >1000 Cycles

State of Charge

- 5 LED Push Button Activated (20% increments)

EMC Standards

- Waterproof at 1 meter for 30 minutes (as per MIL-STD-810 Method 512.6)

EMI

- MIL-STD-461, CE101, CE102, CS114, CS115, CS116, RE101, RE102, RS103

Environmental

Operating Temperature

- Charging: -40°C to 50°C
- Discharging: -40°C to 65°C

Storage Temperature

- -40°C to 70°C

Power

Energy Density

- 184Wh/Kg

Nominal Voltage

- 15V

Max Discharge

- 7.5A continuous

Energy

- 140Wh

Transportation

- Class 9 Dangerous Goods.
- Contact Galvion for transportation requirements.

Open Circuit Voltage Range

- 11V to 16.8V

Nominal Capacity

- 9.8Ah

Peak Discharge

- 15A

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

Compatible Chargers

- Desktop Evaluation Charger (6130-01-542-5108)
- Soldier Charger (6130-01-545-1983)
- Max-8™ (6130-01-677-7011)

Key Features

- 140 Wh/Kg
- Weighs only 1.65 lbs (750 grams)
- High power density — enough for a 24-hour mission
- Flexible lead connection
- Bottom contact charging
- Push-button state-of-charge display
- Compact enough to fit in a Mag pouch
- Next-generation Nett Warrior connector allows faster charging and additional current flow
- Can be recharged while in flight and connected to Squad Power Manager™ (SPM), which is 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
- Central power systems
- Portable field equipment
- Special operations forward-operation equipment
- JTACS Communicators, EOD and other special users that conduct expeditionary missions



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