

LP 30794

EaglePicher™
Technologies, LLC
A VECTRA Company

Model LP 30794 Battery



Model LP30794
Advanced, High-Capacity
24 V / 50 Ah, Lithium Ion

*Lithium-Ion provides higher energy levels
and longer cycle life, at a lower weight
and smaller volume, with less maintenance
than lead acid, Ni-Cd, or Ni-MH batteries.*

Features & Benefits

- ✦ Proprietary prismatic cell technology
- ✦ Battery management system
- ✦ Cell balance charging
- ✦ Cell and Battery safety protection
- ✦ Zero-maintenance
- ✦ Design Life 5 years/10,000 flight hours
- ✦ Operates at -40°C without need to heat
- ✦ Built-in "plug-and-play" electronics utilize existing on-board Ni-Cd charging systems for significant cost and logistical savings
- ✦ 24V / 50 Ah drop-in replacement for original 24V / 10Ah Ni-Cd battery of same size and weight
- ✦ Significant improvement in low-temperature performance, available capacity and battery life over original Ni-Cd batteries
- ✦ Fully qualified and Nuclear Radiation Hardened
- ✦ An available Battery Electronics Test System allows for shop-level battery testing, fault isolation, diagnostics, maintenance and repair

Specifications

Part Number	LP 30794
Nominal Output Voltage	25.2 V
Continuous Output Current (max)	66 A
Ampere-hour Capacity	50Ah
Energy Storage Capacity	1260 Wh
Not to Exceed Weight	38 lbs
Volume	11.8"L x 8.2"W x 7.3"H
Over-all Dimensions	7.18"L x 11.75"W x 7.19"H
Operating Temperature	-40°C to 65°C
Cell-level Energy Density	265 Wh / liter
Cell-level Specific Engery	112.5 Wh / kg
Cell-level Cycle Life	>2000 Cycles

Applications

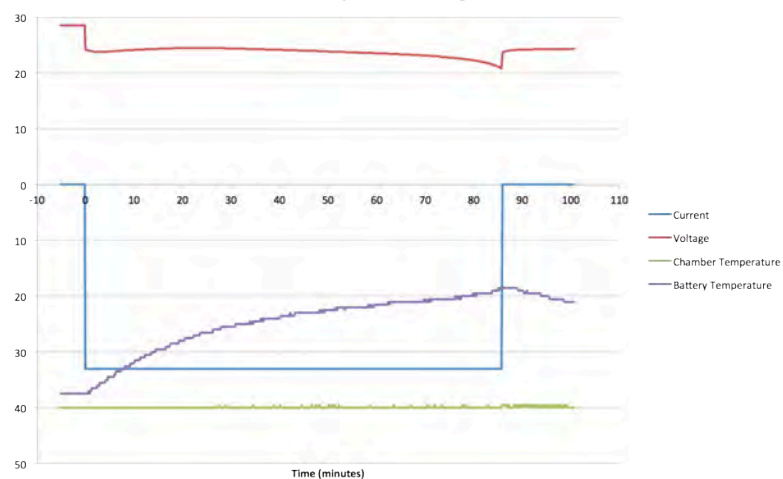
- ✦ Manned and Unmanned Aircraft
- ✦ Terrestrial Applications
- ✦ Electric Vehicles
- ✦ Underwater Vehicles
- ✦ Utility Grid

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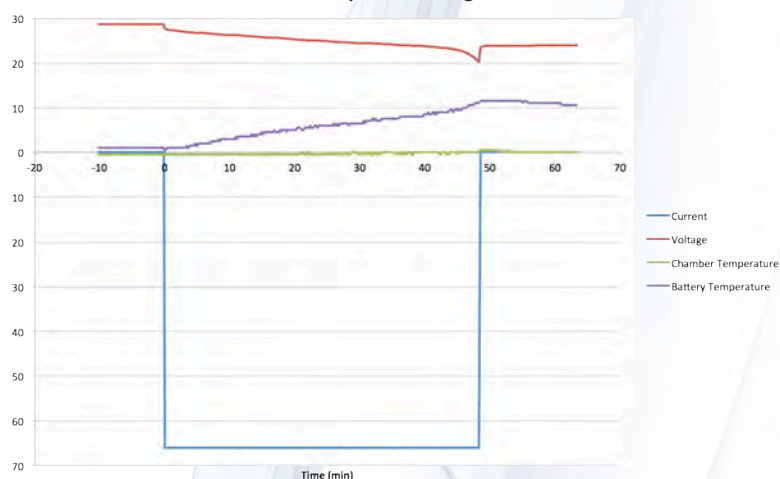
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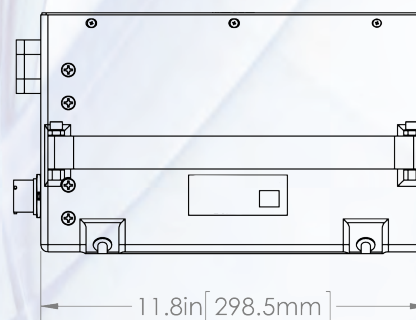
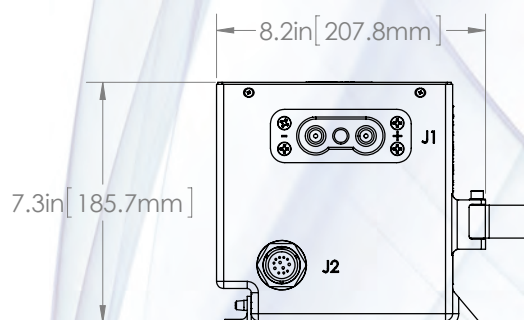
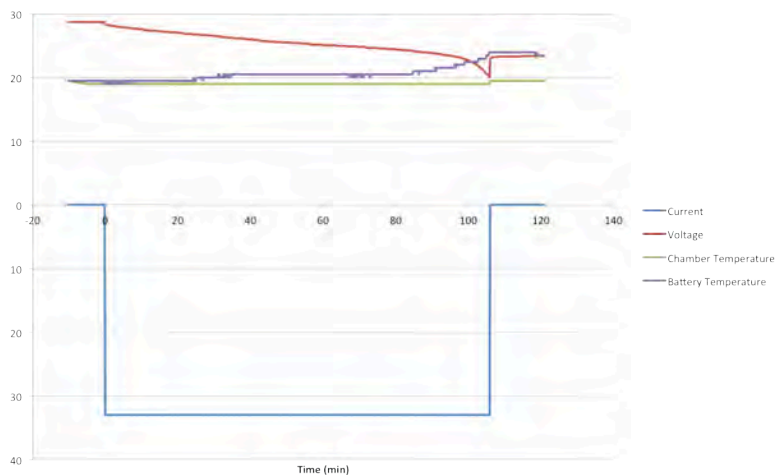
Battery 33A Discharge at -40°C



Battery 66A Discharge at 0°C



Battery 33A Discharge at 20°C



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