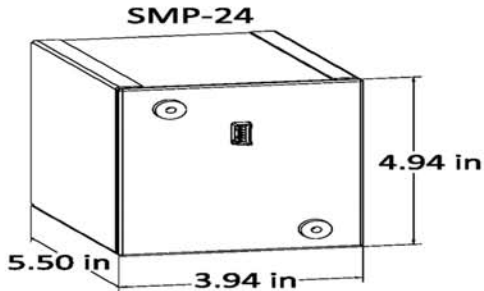
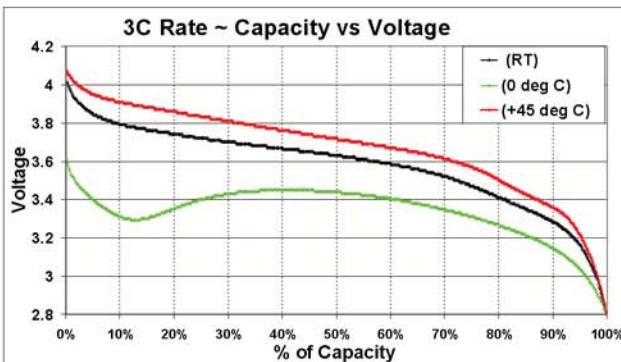
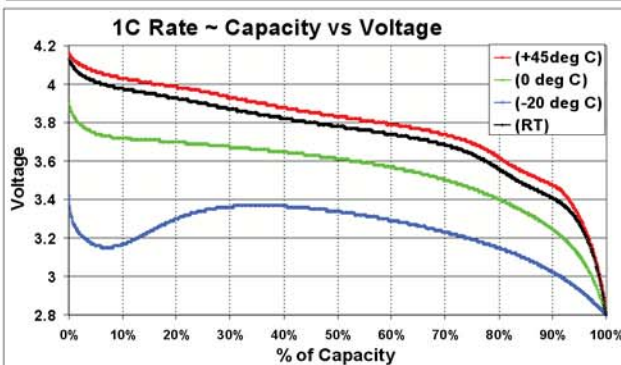
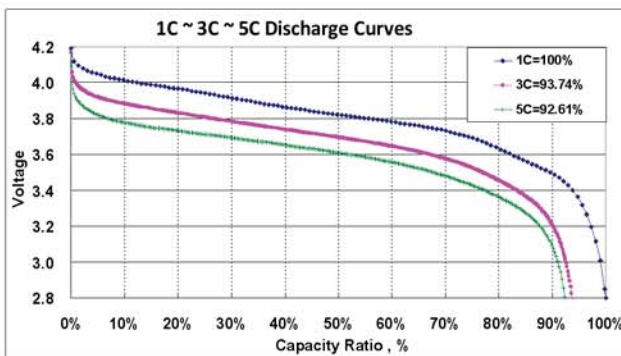


Gold Peak Rechargeable Lithium Manganese Oxide (LiMn₂O₄) Battery



SMP-24 (40A) Module

- RoHS Compliant
- UN/DOT Certified
- Molex Sherlock (BMS Connection)
- Redfish Thermistor (imbedded)
- Aircraft Aluminum Cases
- 10-32 Brass Terminals



Electrical Specifications

Nominal Voltage:	11.4 V (3S @ 3.8V)
Nominal Capacity (1C):	40 Ah / 456 Wh
Standard Discharge:	40 A (1C)
Max Cont. Discharge:	120 A (3C)
Max Peak Discharge:	200 A (5C <30s)
Discharge termination:	9 V (recommended)
Charge Algorithm:	CC/CV to 12.6 V, < 2.0 A taper
Standard Charge:	8 A (0.2C) ~ 5 to 7 hours
Fast Charge:	40 A (1C) ~ 2.5 hours
Charge Voltage:	12.6 V +/-50 mV
Specific Energy:	132 Wh/kg
Energy Density:	270 Wh/l
AC Impedance:	<2 mOhms (1kHz)
Specific Power:	659 W/kg (5C rate)
Power Density:	1349 W/l (5C rate)

Mechanical Specifications

Dimensions:	3.94"L x 4.94"W x 5.50"H
Mass:	3.46 Kg / 7.62 lbs

Temperature Specifications

Discharge Temp:	-20°C to +60°C
Std Charge Temp:	0°C to +45°C
Fast Charge Temp:	10°C to +45°C
Storage Temp:	-20°C to 45°C

Cycle Life Specifications

Cycle Life (1C):	1800 cycles ~ 70% of Initial, 100% DOD
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Cells • Modules • Industrial Packs • BMS • Chargers • Total Design

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.