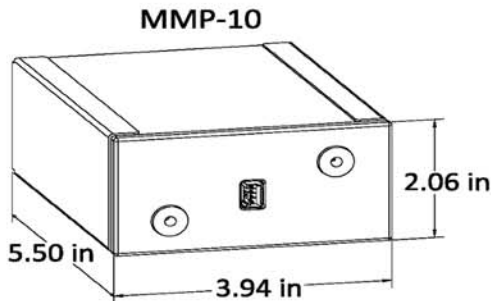
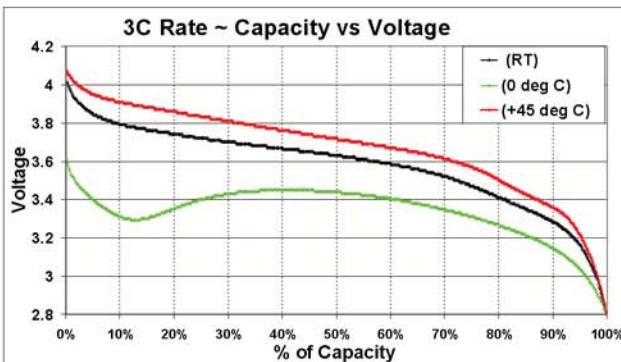
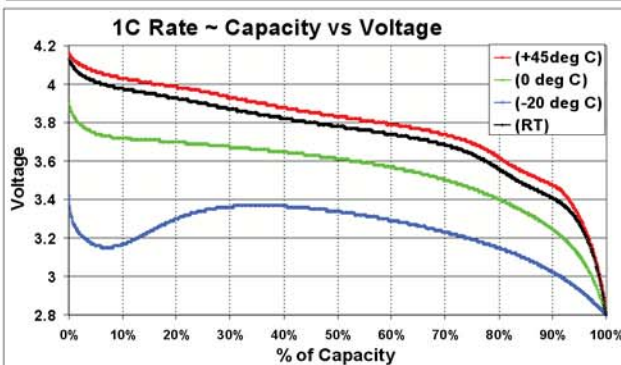
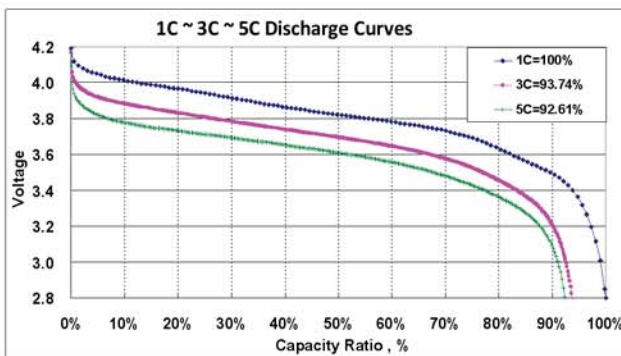


Gold Peak Rechargeable Lithium Manganese Oxide (LiMn₂O₄) Battery



MMP-10 (50A) Module

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



Electrical Specifications

Nominal Voltage:	3.8 V
Nominal Capacity (1C):	50 Ah / 190 Wh
Standard Discharge:	50 A (1C)
Max Cont. Discharge:	150 A (3C)
Max Peak Discharge:	250 A (5C <30s)
Discharge termination:	3.0 V (recommended)
Charge Algorithm:	CC/CV to 4.2 V, < 2.5 A taper
Standard Charge:	10 A (0.2C) ~ 5 to 7 hours
Fast Charge:	50 A (1C) ~ 2.5 hours
Charge Voltage:	4.2 V +/-50 mV
Specific Energy:	127 Wh/kg
Energy Density:	264 Wh/l
AC Impedance:	<4 mOhms (1kHz)
Specific Power:	635 W/kg (5C rate)
Power Density:	1319 W/l (5C rate)

Mechanical Specifications

Dimensions:	3.94"L x 2.06"W x 5.50"H
Mass:	1.50 kg / 3.3 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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Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.