

Product Highlights

***Engineered Performance,
Premium Quality, and Regulatory
Compliance***

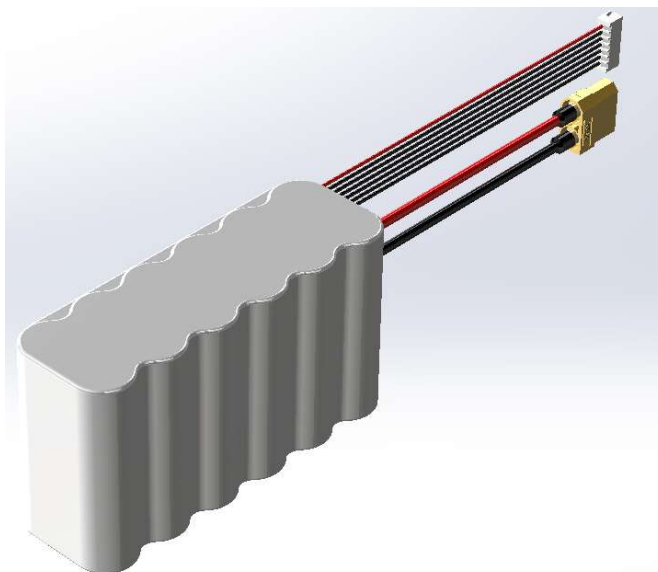
**Advanced Silicon/Graphite anode
coupled with latest NCA cathode
technology provides outstanding
power delivery, even at -10°C**

**Extended cycle life with
protection circuit and optimized
cell selection**

**Power connector options -
XT90, XT60, or custom requests**

**UN 38.3 Approved in a CONUS
ISO 17025 accredited test facility,
and manufactured in a domestic
AS 9100 production facility**

Manufactured in an AS 9100 American facility, MPS Lithium-ion batteries provide the highest levels of performance as well as protection from over-voltage, over-current, over-temperature, and short circuit conditions. Leveraging the Molicel INR-21700-P50B high power cell and our custom Battery Management System (BMS), this 6S2P battery delivers the highest current, extended cycle life, rugged packaging, premium quality, and UN 38.3 agency approvals.



Electrical Specifications & Approvals

Nominal Voltage (V)	21.6
Minimum Voltage (V)	15
Nominal Capacity (Ah)	10
Continuous Discharge Current (A)	120
Pulse Discharge Current, 3 sec's (A)	180
Maximum Charge Voltage (V)	25.2
Maximum Charging Current (A)	20
Watt-Hours (Wh)	216
Shipping Classification	Class 9
Agency Approvals	UN 38.3

Mechanical Specifications

Weight (g)	872
Dimensions (length, mm)	128
Dimensions (width, mm)	44.5
Dimensions (height, mm)	70
Energy Density (Volumetric, Wh/l)	489
Energy Density (Gravimetric, Wh/kg)	242
Operating Temperature Range	-20°C to +60°C
Storage Temperature Range	-40°C to +60°C
Operating Humidity	20% to 80%
Power Connector	..., XT60, XT90
Charging Balance Connector	JST-XH 6S
Part Numbers	6S2P-M1-XT60, 6S2P-M1-XT90