

# MonoLith™ Battery Pack System

M50 Series - Liquid Cooled



PART #	Vmax	Vmin	Energy Capacity [kWh]	Charge Capacity [Ah]	Continuous Discharge
M50-1SE-122 Energy Pack	512	305	53	120	300A
M50-2PE-122 Energy Pack	256	153	53	240	300A



## Key Features

- Configurable Digital BMS
- CANbus 2.0 Communication Architecture
- J1772 Protocol Compatibility
- Internally Integrated Contactors and Precharge Circuit
- Optical Leak Detection
- Wire-Bonded Fused Cells
- Pack-Level Fusing
- Manual Service Disconnect

<b>Discharge Temperature Range</b>	-20°C ~ 55°C
<b>Charge Temperature Range</b>	0°C ~ 50°C
<b>Ingress Protection Rating</b>	IP67
<b>Recommended Coolant Medium</b>	Low-Conductivity Glycol
<b>Approximate Mass</b>	393kg
<b>Cathode Material</b>	Nickel Manganese Cobalt Oxide
<b>Cell Safety Compliance</b>	UL 1642, IEC 62133, UN 38.3
<b>BMS Functional Safety Compliance</b>	ISO 26262



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