

# PROformance Series

## Intelligent Li-ion Batteries

- Field upgradeable via software updates
- **S-Series - Terminals Always ON:** Plug & play drop-in lead acid replacement solution
- **M-Series - Controllable Terminals:** Supports smart system integration requiring enhanced communication and functionality



Specifications	S-24V20-U1 M-24V20-U1	S-24V60-TRX M-24V60-TRX	S-24V90-TRX M-24V90-TRX	S-36V80-TRX M-36V80-TRX	S-48V60-TRX M-48V60-TRX	S-48V60-TRX-HD M-48V60-TRX-HD
<b>Voltage (Nom/Max)</b>	25.6V / 28V	25.6V / 28.0V	25.6V / 28.0V	36.9V / 41.0V	51.7V / 58.1V	51.7V / 57.4V
<b>Pack Energy (Rated)</b>	502Wh (19.6Ah)	1.51kWh (59Ah)	2.3kWh (90Ah)	3.05kWh (84Ah)	3.2kWh (62Ah)	3.2kWh (62Ah)
<b>Continuous Power (Current)</b>	0.77kW (30A)	1.9kW (75A)	3.8kW (150A)	3.0kW (80A)	3.1kW (60A)	6.2kW (120A)
<b>Peak Power/Current (10 secs)</b>	1.54kW / 60A	6.1kW / 240A	5.1kW / 200A	5.9kW / 160A	7.2kW / 140A	20.7kW / 400A (10 sec)
<b>Cycle Life (Based on cell data @ 25°C &amp; 80% DoD)</b>	3,000	3,000	4,000	2,000	2,000	2,000
<b>Scalability</b>	Up to 48V & 120Ah Up to 200Ah	Up to 48V & 360 Ah Up to 600 Ah	Up to 540 Ah Up to 540 Ah	Up to 540 Ah Up to 1,200 Ah	Up to 360 Ah Up to 600 Ah	Up to 360 Ah Up to 600 Ah
<b>Cell Chemistry</b>	LiFePO4	LiFePO4	LiFePO4	NCM / NCA	NCM / NCA	NCM / NCA
<b>Communication</b>	CANopen / RS485	CANopen / J1939	CANopen / J1939	CANopen	CANopen / J1939	CANopen
<b>Max Dimensions (LxWxH mm)</b>	299 x 177 x 230 11.77" x 6.97" x 9.06"	299 x 177 x 230 11.77" x 6.97" x 9.06"	348 x 178 x 260 13.7" x 7.00" x 10.24"	348 x 178 x 260 13.7" x 7.00" x 10.24"	348 x 178 x 260 13.7" x 7.00" x 10.24"	348 x 178 x 268 13.7" x 7.00" x 10.6"
<b>Weight (Nominal)</b>	5.7 kg (12.6 lbs)	16.7kg (36.8lbs)	20.4kg (45lbs)	19.3kg (42.5lbs)	19.0kg (41.9lbs)	19.1 kg (42.1lbs)
<b>Charge Temp</b>	0° to 55°C	0°C to 55°C	0°C to 55°C -35°C to 55°C, w/ heater	0°C to 45°C -35°C to 55°C, w/ heater	0°C to 45°C -35°C to 45°C, w/ heater	0° to 45°C -35° to 45° C, w/ heater
<b>Discharge Temp</b>	-20°C to 60°C	-20°C to 60°C	-20°C to 55°C -35°C to 55°C, w/ heater	-20°C to 55°C -35°C to 55°C, w/ heater	-20°C to 55°C -35°C to 55°C, w/ heater	-20° to 55°C -35° to 55° C, w/ heater
<b>Storage Temp</b>	-20° to 60°C	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C	-20° to 60°C