

PROformance Series



Specifications	M-12V40-U1	M-24V20-U1	M-24V60-TRX	M-24V80-TRX	M-24V90-TRX	M-48V60-TRX
Pack Voltage (Nom/Max)	12.8V / 14.4V	25.6V / 28V	25.6V / 28V	25.6V / 28V	25.6V / 28V	50.8V / 58V
Pack Energy	512Wh (40Ah)	512Wh (20Ah)	1.52kWh (60Ah)	2.05kWh (80Ah)	2.3kWh (90Ah)	3.1kWh (60Ah)
Contin. Power	0.51kW / 80A	0.77kW / 30A	1.9kW (75A)	3.84kW (150A)	3.8kW (150A)	3.1kW (60A)
Recommended Charge CCCV	20A / 14V	10A / 28V	30A / 28V	40A / 28V	45A / 28V	20A / 58V
Peak Power (<30secs)	1.02kW (80A)	1.54kW (60A)	6.14kW (240A)	5.12kW (200A)	5.12kW (200A)	7.11kW (140A)
Cycle Life (@ 25°C)	2,000 @ 80% DoD	2,000 @ 80% DoD	3,000 @ 80% DoD	3,000 @ 80% DoD	4,000 @ 80% DoD	2,000 @ 80% DoD
Scalability	Up to 3 packs in series Up to 10 packs in parallel	Up to 2 packs in series Up to 10 packs in parallel	Up to 2 packs in series Up to 15 packs in parallel	Up to 15 packs in parallel	Up to 15 packs in parallel	Up to 10 packs in parallel
BCI Size	U1	U1	Group 27	Group 5D	Group 5D	Group 5D
Cell Chemistry	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4	Nickel Cobalt Manganese
Terminal Type (ISO)	M6	M6	M8	M8 (Neg), M10 (Pos)	M8 (Neg), M10 (Pos)	M8 (Neg), M10 (Pos)
Dimensions (LxWxH)	191 x 134 x 185mm 7.52" x 5.28" x 7.28"	191 x 134 x 185mm 7.52" x 5.28" x 7.28"	299 x 177 x 230mm 11.77" x 6.97" x 9.06"	348 x 178 x 260mm 13.7" x 7.00" x 10.24"	348 x 178 x 260mm 13.7" x 7.00" x 10.24"	348 x 178 x 260mm 13.7" x 7.00" x 10.24"
Weight	6.5kg (14.3lbs)	6.5kg (14.3lbs)	18.2kg (40lbs)	18kg (40lbs)	21kg (47lbs)	18.8kg (41.4lbs)
Ingress Protection Rating	IP56	IP56	IP65	IP65	IP65	IP65
Case Flammability Rating	Flame Retardant UL94 V-0	Flame Retardant UL94 V-0	Flame Retardant UL94 V-0	Flame Retardant UL94 V-0	Flame Retardant UL94 V-0	Flame Retardant UL94 V-0
Charge Temp	0° to 45°C	0° to 45°C	0° to 45°C -20° to 45°C, w/ heater	0° to 45°C -20° to 45°C, w/ heater	0° to 45°C -20° to 45°C, w/ heater	0° to 45°C -20° to 45°C, w/ heater
Discharge Temp	-20° to 60°C	-20° to 60°C	-20° to 55°C -30° to 55°C, w/ heater	-20° to 55°C -30° to 55°C, w/ heater	-20° to 55°C -30° to 55°C, w/ heater	-20° to 55°C -30° to 55°C, w/ heater
Storage Temp	-20° to 60°C	-20° to 60°C	-20° to 60°C	-20° to 45°C	-20° to 45°C	-20° to 55°C
Humidity (Operating)	5% to 95%	5% to 95%	5% to 95%	5% to 95%	5% to 95%	5% to 95%