

PROTRXion™ M-Series

Intelligence ON Li-ion Batteries

- Supports smart system integration requiring enhanced communication and functionality
- Field upgradeable via software updates



Specifications	M-24V60-TRX	M-24V80-TRX	M-24V90-TRX	M-36V80-TRX	M-48V60-TRX
Pack Voltage (Nom/Max)	25.6V / 28V	25.6V / 28V	25.6V / 28V	36.9V / 41.5V	51.66V / 58.1V
Pack Energy	1.51kWh (59Ah)	2.05kWh (80Ah)	2.3kWh (90Ah)	3.05kWh (84Ah)	3.2kWh (62Ah)
Continuous Power	1.9kW (75A)	3.84kW (80A)	3.8kW (90A)	3.1kW (80A)	3.1kW (60A)
Recommended Charge CCCV	30A / 28V	40A / 28V	45A / 28V	26.4A / 41.5V	20A / 58.1V
Peak Power (<10secs)	6.14kW (240A)	5.12kW (200A)	5.12kW (200A)	5.8kW (160A)	7.11kW (140A)
Cycle Life (@ 25°C)	3,000 @ 80% DoD	3,000 @ 80% DoD	4,000 @ 80% DoD	2,000 @ 80% DoD	2,000 @ 80% DoD
Scalability	Up to 10 units in parallel	Up to 15 units in parallel	Up to 15 units in parallel	Up to 15 units in parallel	Up to 10 units in parallel
BCI Size	Group 27	Group 5D	Group 5D	Group 5D	Group 5D
Cell Chemistry	LiFePO4	LiFePO4	LiFePO4	NCM / NCA	NCM / NCA
Communication	CANopen /J1939	CANopen /J1939	CANopen /J1939	CANopen /J1939	CANopen /J1939
Max Dimensions (LxWxH)	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"	348 x 178 x 260mm 13.7" x 7.00" x 10.24"
Weight	16.7 kg (36.8 lbs)	18.2 kg (40.1lbs)	20.4 kg (45.0 lbs)	19.3kg (42.5 lbs)	19kg (41.9 lbs)
Charge Temp	0° to 55°C -35° to 55°C, w/ heater	0° to 55°C -35° to 55°C, w/ heater	0° to 55°C -35° to 55°C, w/ heater	0° to 45°C -35° to 45°C, w/ heater	0° to 45°C -35° to 45°C, w/ heater
Discharge Temp	-20° to 60°C -35° to 60°C, w/ heater	-20° to 55°C -35° to 55°C, w/ heater	-20° to 55°C -35° to 55°C, w/ heater	-20° to 55°C -35° to 55°C, w/ heater	-20° to 55°C -35° to 55°C, w/ heater
Storage Temp	-20° to 60°C	-20° to 60°C	-20° to 60°C	-20° to 60°C	-20° to 60°C

PROTRXion™ S-Series

Intelligence OFF Li-ion Batteries

- Plug & play, drop-in lead acid replacement solution
- Capable of enabling smart system operation via software upgrades



Specifications	S-24V60-TRX	S-24V80-TRX	S-24V90-TRX	S-36V80-TRX	S-48V60-TRX
Pack Voltage (Nom/Max)	25.6V / 28V	25.6V / 28V	25.6V / 28V	36.9V / 41.5V	51.66V / 58.1V
Pack Energy	1.51kWh (59Ah)	2.05kWh (80Ah)	2.3kWh (90Ah)	3.05kWh (84Ah)	3.2kWh (62Ah)
Continuous Power	1.9kW (75A)	3.84kW (80A)	3.8kW (90A)	3.1kW (80A)	3.1kW (60A)
Recommended Charge CCCV	30A / 28V	40A / 28V	45A / 28V	26.4A / 41.5V	20A / 58.1V
Peak Power (<10secs)	6.14kW (240A)	5.12kW (200A)	5.12kW (200A)	5.8kW (160A)	7.11kW (140A)
Cycle Life (@ 25°C)	3,000 @ 80% DoD	3,000 @ 80% DoD	4,000 @ 80% DoD	2,000 @ 80% DoD	2,000 @ 80% DoD
Scalability	Up to 2 units in series Up to 6 units in parallel	Up to 6 units in parallel	Up to 6 units in parallel	Up to 6 units in parallel	Up to 6 units in parallel
BCI Size	Group 27	Group 5D	Group 5D	Group 5D	Group 5D
Cell Chemistry	LiFePO4	LiFePO4	LiFePO4	NCM / NCA	NCM / NCA
Communication	Lead Acid / CANopen	Lead Acid / CANopen	Lead Acid / CANopen	Lead Acid / CANopen	Lead Acid / CANopen
Max Dimensions (LxWxH)	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"	348 x 178 x 260mm 13.7" x 7.00" x 10.24"
Weight	16.7 kg (36.8 lbs)	18.2 kg (40.1lbs)	20.4 kg (45.0 lbs)	19.3kg (42.5 lbs)	19kg (41.9 lbs)
Charge Temp	0° to 55°C	0° to 55°C	0° to 55°C	0° to 45°C	0° to 45°C
Discharge Temp	-20° to 60°C	-20° to 55°C	-20° to 55°C	-20° to 55°C	-20° to 55°C
Storage Temp	-20° to 60°C	-20° to 60°C	-20° to 60°C	-20° to 60°C	-20° to 60°C