



eLECTRIFIED
by **inVENTUS**[™]
POWER

Smarter Batteries. More Uptime.

High-performance lithium-ion batteries to maximize productivity & reduce downtime



Zero Maintenance

no watering, acid spills, or gassing
no service costs for life of battery



Fast Charging + Opportunity Charging

can be fully recharged within 2 hours
less time on the charger = less downtime
& more productivity



Long Battery Life

5-6x longer life than lead acid
up to 3,000 cycles



Battery Intelligence

CANopen communication shares battery
analytics for improved productivity,
efficiency, and safety



Scalable

to increase runtime for
longer shifts



PROTRXion Li-ion Batteries by Inventus Power were designed to operate in a variety of work environments and offer features that are superior to lead-acid and other lithium solutions on the market.



High Performance Li-ion Cells

from top tier cell suppliers for high reliability & safety



Certified to UL 2271

protects against shock, vibration + thermal propagation mitigation



24 Month Storage

placing batteries in low power Ship Mode extends battery shelf life



Intelligent Battery Management System (BMS)

monitors battery(s) voltage, temperature, current, remaining capacity, health, & consumed energy



Optional Heater

enables reliable operation in temps down to -35°C



Recommended Models:



Specifications	M-24V20-U1 S-24V20-U1	M-24V60-TRX S-24V60-TRX	M-24V90-TRX S-24V90-TRX	M-48V60-TRX S-48V60-TRX
Cell Chemistry	LiFePO4	LiFePO4	LiFePO4	NCM / NCA
Pack Voltage (Nom/Max)	25.6V / 28V	25.6V / 28V	25.6V / 28V	51.7V / 58.1V
Pack Energy	502Wh (19.6Ah)	1.51kWh (59Ah)	2.3kWh (90Ah)	3.2kWh (62Ah)
Continuous Power	0.77kW (30A)	1.9kW (75A)	3.8kW (150A)	3.1kW (60A)
Peak Power (<10secs)	1.54kW (60A)	6.14kW (240A)	5.1kW / 200A	7.2kW (140A)
Peak Charge Rate	1C Rate	1C Rate	1C Rate	0.3C Rate
Cycle Life (@ 25°C)	3,000 @ 80% DoD	3,000 @ 80% DoD	4,000 @ 80% DoD	2,000 @ 80% DoD
Scalability	Parallel (10) max Series (2) / Parallel (6) max	Parallel (10) max Series (2) / Parallel (6) max.	Parallel (15) max Parallel (6) max.	Parallel (10) max. Parallel (6) max.
Communication	CANopen / RS485 CANopen	CANopen	CANopen / J1939	CANopen / J1939
Max Dimensions (LxWxH)	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"
Weight	5.7 kg (12.6 lbs)	16.7 kg (36.8 lbs)	20.4kg (45lbs)	19.0 kg (41.9 lbs)



Request more information