



LITHIUM BATTERY PACK

EL-12.8V 200Ah

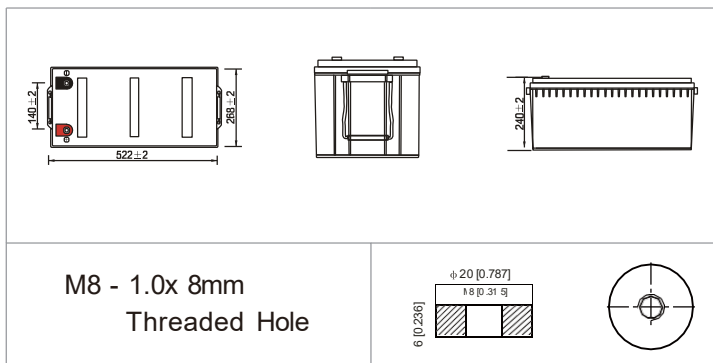
FEATURES

Lithium Iron Phosphate (LiFePO₄): the Safest Lithium Technology.
Integrated Battery Management System(BMS).
Bluetooth/RS485/RS232/SMBus/CANBus (Optional).
SOC LED Indicator.

PERFORMANCE

Long Cycle Life>6000cycles @80% DOD.
High Density, High Discharge Current, High Temperature Range.
Low Weight, Free Maintenance.
Fast Charging.
Environment Friendly.

CHARACTERISTICS



Item	Specifications
Nominal Voltage	12.8V
Rated Capacity	200Ah
Energy	2560Wh
Resistance	≤10m Ω
Efficiency	99%
Cycle Life	>6000cycles@ 80% DOD
Self Discharge	2% per Month
Max. Modules in Series/Parallel	4S/4P

Dimension(L x W x H)	522×240×224mm
	20.6×9.44×8.8"
Weight	19.1kg(42.10lbs)
Terminal Type	M8
Battery Housing	ABS, UL-94 V-0
Housing Protection	IP56
Cell Type-Chemistry	LiFePO ₄ Battery Cell
SoC Display	LED indicator

Charge Method	CC-CV
Charge Voltage	14.4~14.8V
Recommended Float Voltage	13.8V
Recommended Charge Current	100A
Maximum Charge Current	200A
BMS Charge Cut-off Voltage	15.6V

Discharge Temperature	-20 to 60 °C (-4 to 140 °F)
Charge Temperature	0 to 45 °C (32 to 113 °F)
Storage Temperature	0 to 60 °C (32 to 140 °F)
BMS High Temperature Cut-off	80 °C(176 °F)

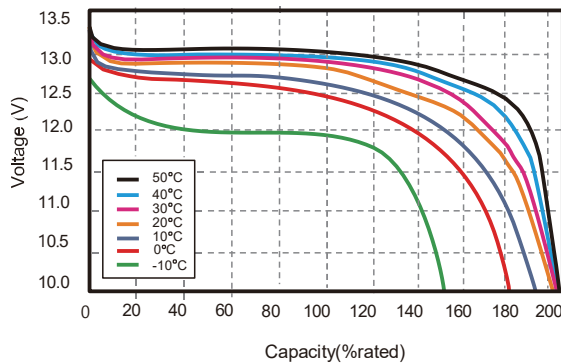
Continuous Discharge Current	200A
Pulse Discharge Current	400A(<3 seconds)
Recommended Volt. Disconnect	10V
BMS Discharge Cut-off Voltage	8V
Reconnect Voltage	9.2V
Short Circuit Protection	200~600 us

CHARACTERISTICS

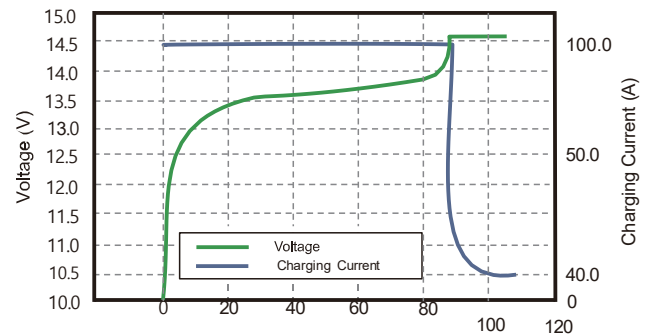
- + Data Center UPS
- + Telecom Backup Power
- + Military Power Supply
- + Solar Energy Storage System
- + Solar Street LED Lightings
- + Autonomously Guided Vehicles (AGVs)
- + Industrial Robotics & Handling Equipment
- + Aerial Work Platform

- + Floor Cleaning Machines
- + Power Tools, Lawn Mower
- + Electric Bike & Motorcycles
- + Electric Mobilities(E-scooters,Wheelchair)
- + Golf Trolley & Golf Carts
- + Medical Devices
- + Electric Ships
- + Passenger Vehicles

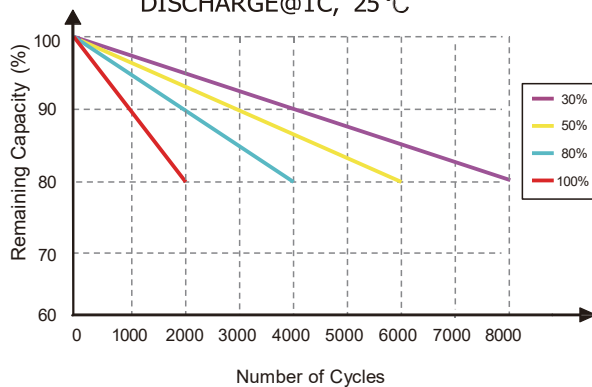
DISCHARGE CAPACITY at VARIOUS TEMPERATURES
DISCHARGE @1C, 25°C



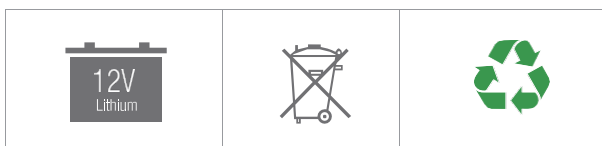
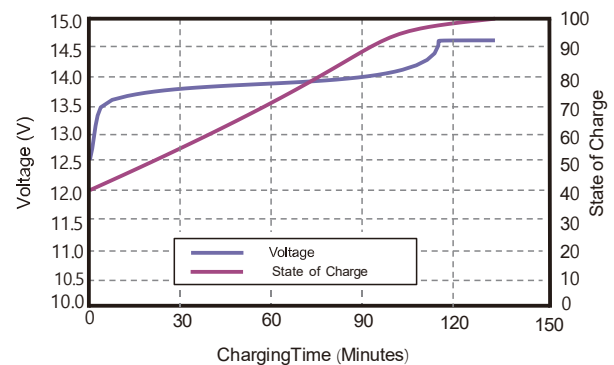
CHARGING CHARACTERISTICS @1C, 25 C



CYCLE LIFE vs.DEPTH OF DISCHARGE(DOD)
DISCHARGE@1C, 25°C



STATE OF CHARGE CURVE @1C, 25 C



www.exelone.com



NOTE: Do Not Mix With Sealed Lead Acid Batteries When Recycling.