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Технические характеристики на системы перезаряжаемых литий- ионных аккумуляторов (встроенные зарядные устройства, коробки литиевых батарей)

Integrated Charger Battery

Rechargeable lithium-ion battery system

28 V high energy Li-ion battery system with integrated charger

28 V integrated charger battery (ICB) is comprised of 16 VL 52E high energy Li-ion cells in a 2p8s configuration, and has a capacity of 100 amp/hours. The battery can accept AC charging and use the stored energy to provide a reliable power source. Its rack-mount design is well-suited for on-board equipment installation.

supplies complete energy storage systems customized as needed to meet customer specifications.

Benefits

- Integrated charging capability - no need for external charger
- Maintenance free
- Light weight
- Fast re-charge capability
- No ventilation required

Safety Features

- Electronics:
 - Over-charge protection
 - Over-discharge protection
 - Over-current protection
- Hardware:
 - Pressure compensated box
 - Burst prevention mechanism
 - Carry handles
 - Arctic glove functional
 - Keyed connectors

Applications

- 28 V back-up power
- Exportable power
- Military / defense



PN 205975 (Reference Only)

Electrical characteristics

Voltage		
OCV		31.8 V
Mid-discharge		28.8 V
Cut-off		24.0 V
Maximum charge		32.0 V
Capacity		
+60°C		>80 Ah
+21°C		>80 Ah
-40°C		>70 Ah
Discharge times at 100 Amps from full state of charge		
+60°C		15 minutes (minimum)
+21°C		45 minutes
-40°C		15 minutes (minimum)
Discharge rate		100 A

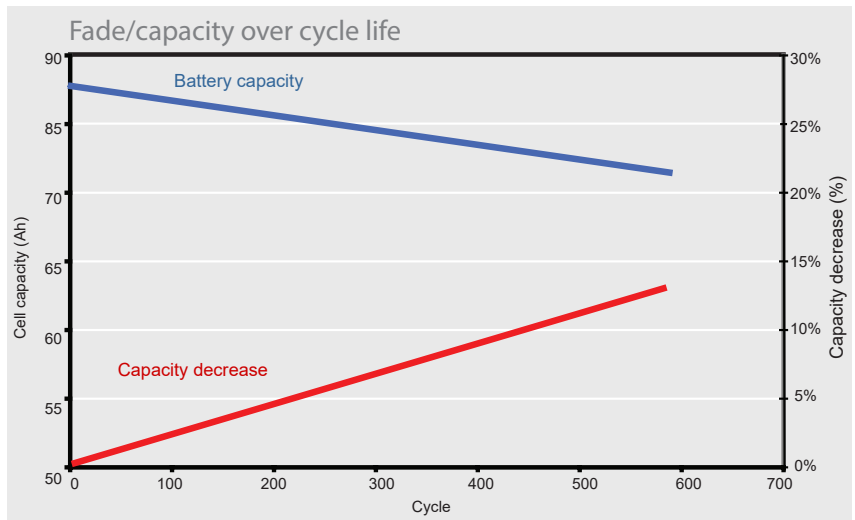
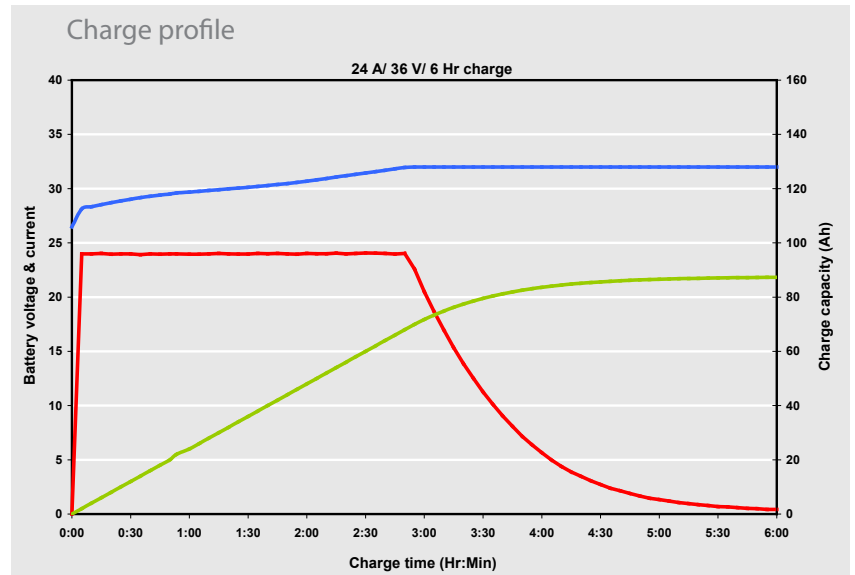
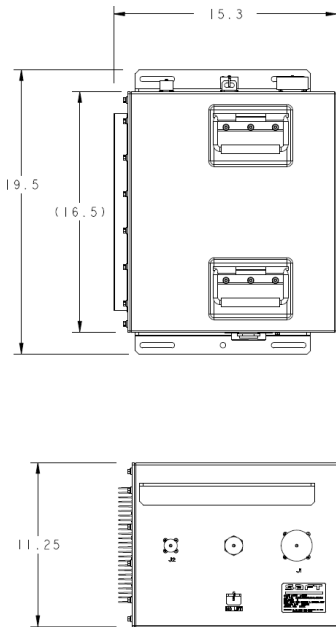
Mechanical characteristics

Weight	76 lbs./31.5 kg
Height	11.25 in./235.8 mm
Width	15.3 in./388.6 mm
Length	19.5 in./495.3 mm

Qualifications

Transport	UN and DoT approved
Altitude	50,000 ft./15,240 m.
Water proof	3 ft.
Vibration spectrum	full
Shock spectrum	full
Electromagnetic spectrum	full

Integrated Charger Battery



28V Lithium Battery Box

Rechargeable lithium-ion battery system

Battery system for the Improved Target Acquisition System for the TOW Missile

Lithium Battery Box (LBB) provides power to the ITAS system on board the TOW missile and is also ideal for defense applications requiring 28V power.

supplies complete energy storage systems customized as needed to meet customer specifications.

Benefits

- Maintenance free
- Light weight
- Fast re-charge capability
- No ventilation required

Safety Features

- Electronics:
 - Over-charge protection
 - Over-discharge protection
 - Over-current protection
 - Capacity (%) indicator
 - RS-422 communication available (with built-in test and battery status)
- Hardware:
 - Pressure compensated box
 - Burst prevention mechanism
 - Carry handles
 - Arctic glove functional
 - Keyed connectors

Applications

- Improved Target Acquisition System
- Exportable power
- Military / defense



Electrical characteristics

Voltage		
OCV		31.8 V
Mid-discharge		28.8 V
Cut-off		24.0 V
Maximum charge		32.0 V
Capacity		
+54 °C		>80 Ah
+21 °C		>80 Ah
-32 °C		>70 Ah
Max discharge rate		30 A

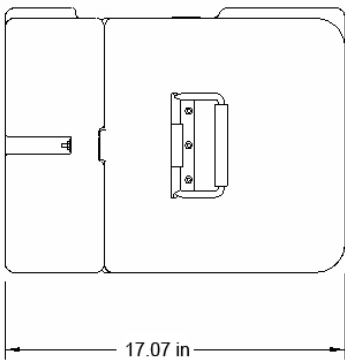
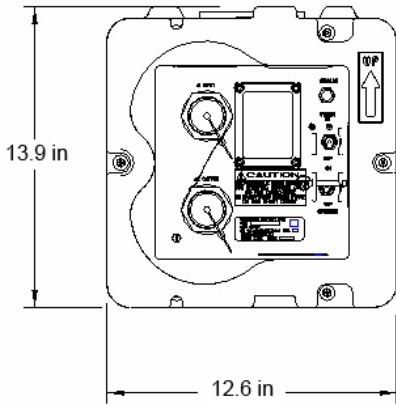
Mechanical characteristics

Weight	64 lbs/29 kg
Height	13.19 in/335 mm
Width	12.6 in/322.3 mm
Length	17.07 in/433.6 mm

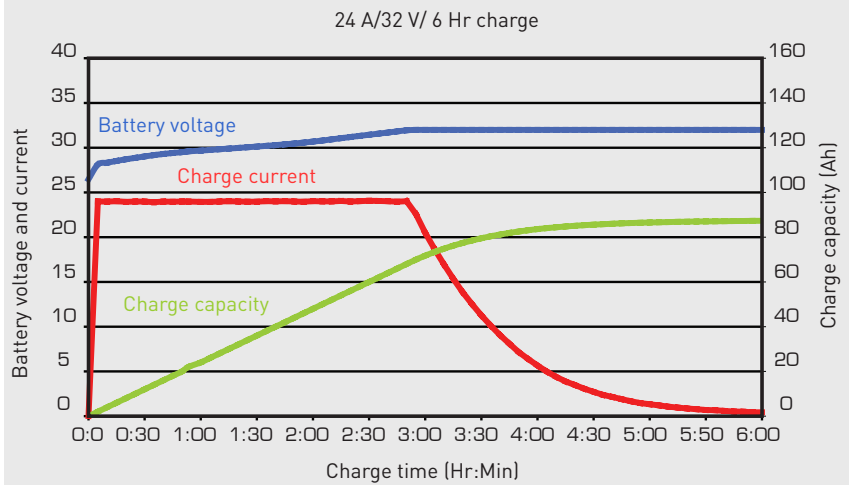
Qualifications

Transport	UN and DoT approved
Altitude	50,000 ft/15,240 m
Drop tested	3 ft
Water proof	3 ft
Vibration spectrum	full
Shock spectrum	full
Electromagnetic spectrum	(if required)

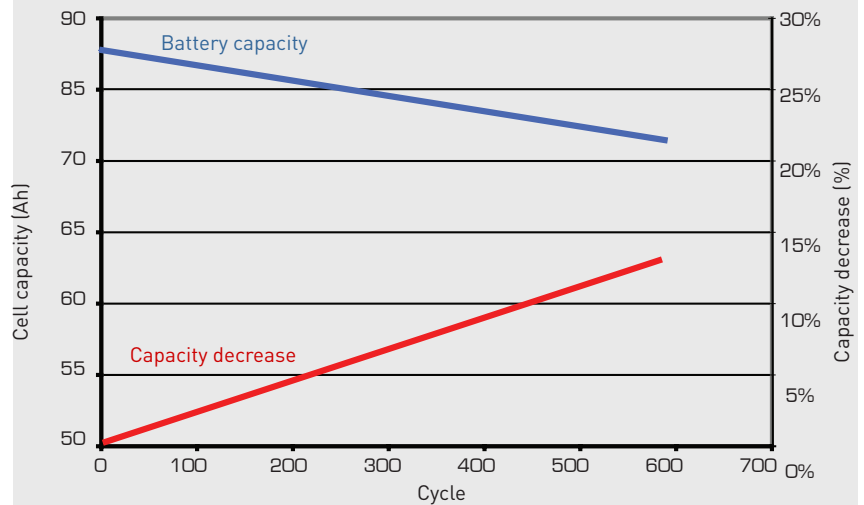
28V LBB



Charge profile



Fade/capacity over cycle life



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