LITHIUM-ION TECHNOLOGIES

12V 35AH DEEP CYCLE
DATA SHEET

The LiT® 12V35AH Lithium Ion Battery features an automatic built in battery protection system (BPS). This BPS keeps the battery running at peak performance and protects the cells for thousands of cycles.

The LiT35 is plug and play drop in replacement for any application that currently uses a lead acid, gel, or agm battery.

This model is used commonly in the following applications: UPS, military, computer backup, emergency lighting, security system backup, engine starting, robotics, industrial equipment, RV, solar, telecommunications, marine, small electronics, solar backup, large off grid energy storage, and other deep cycle applications.

PRODUCT SPECIFICATIONS:
Nominal Voltage: 12V
Nominal Capacity: 35AH
Watts: 420w (.42kwh)
Discharge Cut-Off: 10.5V
Charge Cut-Off: 14.60V
Charge Current: 35A
Cont. Discharge: 35A
Peak Discharge: 350A
Impedance: ≤200mΩ
Charge Temperature: 32°F - 113°F
Discharge Temperature: -4°F - 140°F
Charge Method: CC/CV
Life Cycle: 5000

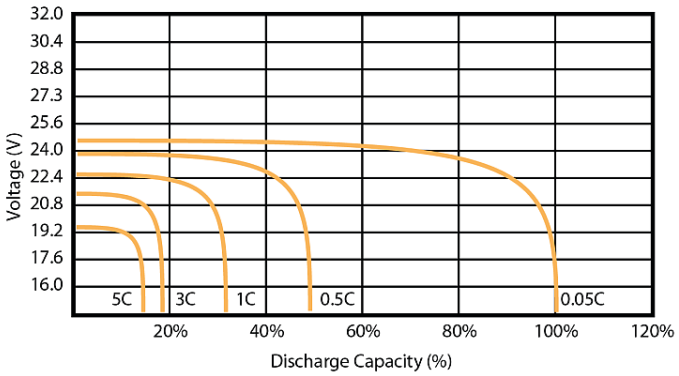
DIMENSIONS & WEIGHT:
Length – 5.00 Inches
Width – 6.13 Inches
Height – 7.13 Inches
Weight – 11.00 Lbs

FEATURES & BENEFITS:
1. 10X Longer Life
2. 60% More Energy
3. Up to 70% Weight Savings
4. Maintenance Free
5. Faster Charging Times
6. Built-In Battery Protection System
7. 100% DOD - Usable Capacity
8. Drop In Replacement
9. Extended Warranty

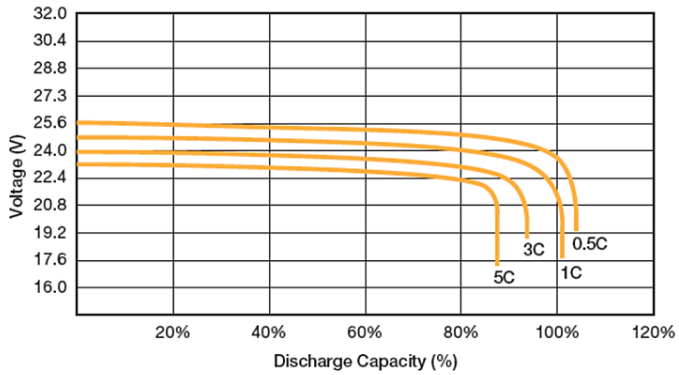
INCLUDES BUILT IN BATTERY PROTECTION:
1. Over-Charge Protection
2. Over-Discharge Protection
3. Short Circuit Protection
4. Internal Cell Fuse
5. Robust Build With Mosfets
6. Fire Retardant Additive
7. Explosion Proof Stainless Steal Cell Case

Discharge Capacity Analysis

Lead Acid- Discharge Capacity vs Terminal Voltage



LiT®Lithium Ion- Discharge Capacity vs Terminal Voltage



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