

# LIRDD-165HT | Battery Cell

ENGINEERED POWER, BATTERY DATA SHEET



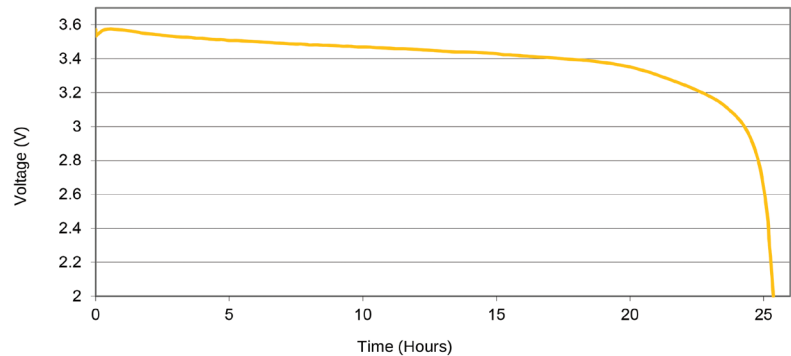
DOT Tested · Hermetically Sealed · High Quality · Reliable & Safe

Serviceability is part of our promise. Engineered Power's global network of engineers provides localized expert design, experienced service knowledge, and timely product delivery where you want it and when you need it.

## Battery Features

- primary
- lithium thionyl chloride
- high energy
- high temperature
- high rate
- custom terminations

750 mA discharge at 165°C



## Technical Data

Capacity:  
18 AH Nominal

Voltage:  
3.67 V OCV  
3.53 V CCV – 750 mA, 165°C

Constant Current Capability:  
750 mA Nominal  
1500 mA Max

Operating Temperature:  
-40°F to +329°F  
-40°C to +165°C

## Physical Data

Diameter:  
1.25 inch  $\pm$  0.010 (31.8 mm)

Height:  
5.03 inch  $\pm$  0.050 (127.8 mm)

Weight:  
6.3 ounces (180 grams  $\pm$  5)

## Shock & Vibration Data

UN/DOT Certified

Shock Test:  
1,000G 0.5 ms shocks in X, Y, Z axis at 150°C for 10 shocks

Vibration Test:  
40GRMS vibration at 150°C

## Suitable Applications

Measurement while drilling (MWD), logging while drilling (LWD), oil well instrumentation, high shock & vibration application.

**Minimize Your Risk and Maximize Your Power!**

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