

LIRDD-5-1-CFXII | Battery Cell

ENGINEERED POWER, BATTERY DATA SHEET

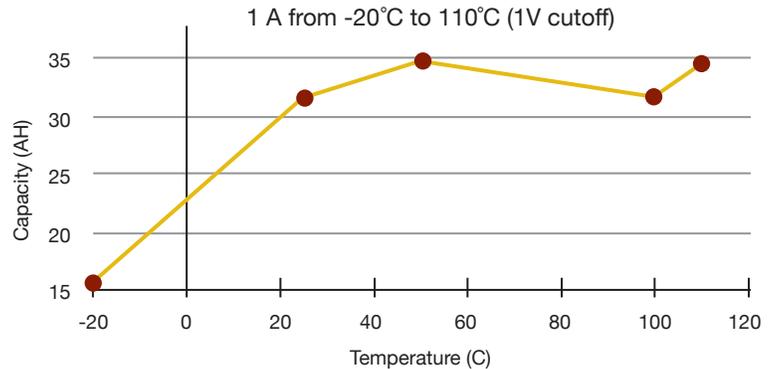


DOT Tested · Hermetically Sealed · High Quality · Reliable & Safe

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

- no passivation
- primary
- Lithium CFX
- non corrosive electrolyte
- high energy
- extreme safety
- low voltage cutoff, < 1.0 V
- moderate temperature
- extremely high rate
- custom terminations



Technical Data

Capacity:
31 AH Nominal
(35 AH @ 1V cutoff)

Energy:
80.4 WH Nominal
(86.1 WH @ 1V cutoff)

Voltage:
3.1 V OCV
3.0 V CCV – 500mA, 25°C

Constant Current Capability:
1,000 mA Nominal, 4 A Max

Operating Temperature:
-40°F to +230°F
-40°C to +110°C

Physical Data

Diameter:
1.30 inch ± 0.010 (33.3 mm)

Height:
4.41 inch ± 0.050 (112 mm)

Weight:
6.9 ounces (197 grams ± 5)

Suitable Applications

Measure-while-drilling (LWD),
logging-while-drilling (MWD),
high shock & vibration applications,
pipeline inspection gauges (PIG),
military equipment, surface instruments.

Shock & Vibration Data

UN/DOT Certified

Shock Test:
1,000G 0.5 ms shocks in
X,Y, Z axis at 110°C for
10 shocks

Vibration Test:
20GRMS SINE &
30GRMS random
vibration at 110°C

Minimize Your Risk and Maximize Your Power!



#20, 3103 - 14 Avenue N.E.
Calgary, Alberta, Canada
T2A 7N6

ENGINEERED POWER
www.engineeredpower.com | email info@engineeredpower.com

1750 Evergreen Street
Duarte, California, USA
91010