LIRDD-5-1-CFXII | Battery Cell

ENGINEERED POWER, BATTERY DATA SHEET

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)

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

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

Minimize Your Risk and Maximize Your Power!

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