

IFR33140 — Typical Specifications Overview

3.2 V nominal · 15000 mAh · Ø33 × 140 mm · ESS, AGV, UPS & telecom packs

About this document. Typical values for OEM evaluation and fitment reference, consolidated from published manufacturer specifications for this format. Final specifications, tolerances and test conditions are defined by the CMX controlled product datasheet, which is issued with your quotation on request.

Specifications (typical)

Parameter	Specification
Model	IFR33140 — EVE C33 or Gotion IFR32135-15Ah (Grade-A cells)
Chemistry	Lithium iron phosphate (LiFePO ₄ / LFP)
Nominal capacity	15 Ah
Nominal voltage	3.2 V
Nominal energy	≈ 48 Wh
Dimensions	33 × 140 mm (EVE C33) / Ø33.6 × 139.7 mm (Gotion IFR32135)
Weight	≈273–300 g (EVE C33) / 270 ± 5 g (Gotion IFR32135)
End-of-charge voltage	3.65 V
Standard charge current	0.5C (7500 mA, EVE C33) / 0.2C (3 A, Gotion IFR32135)
Discharge cut-off voltage	2.0 V (1.8 V at ≤0 °C, Gotion IFR32135)
Continuous discharge	Maximum 3C; 1C standard
Pulse discharge	3C (45 A, 30 s DCR, Gotion IFR32135)
Internal resistance	≤ 3 mΩ (EVE C33) / 1–3 mΩ (Gotion IFR32135)
Charge temperature	per datasheet (EVE C33) / –20 °C to 55 °C (Gotion IFR32135)
Discharge temperature	per datasheet (EVE C33) / –30 °C to 60 °C (Gotion IFR32135)
Cycle life	4000 cycles @ 25 °C (EVE C33) / ≥2500 cycles (Gotion IFR32135)
Certifications	CE, RoHS, UN38.3 (EVE C33); UN38.3, GB 38031 (Gotion IFR32135)

Certifications & compliance

Every production cell ships against the documentation compliance teams ask for first: UN38.3 (UN Manual of Tests and Criteria test summary required for lithium transport by air and sea), MSDS, IEC 62619 industrial storage safety compliance, CE declaration, and lot-level capacity, internal resistance (AC 1 kHz) and open-circuit voltage test data.

Safety testing

Production cells of this format are tested for over-discharge, overcharge, external short circuit, thermal abuse, drop, vibration and temperature shock — all with no fire, no explosion, no leakage. The LiFePO₄ chemistry's higher thermal runaway onset temperature removes propagation concern in multi-cell series strings. A CID safety vent and optional protection circuit provide overpressure and overcurrent protection inside the sealed steel can.

Documentation with every lot

Per-lot capacity, internal resistance (AC 1 kHz) and open-circuit voltage test data accompany each shipment, so incoming QC starts from data rather than sampling.

Request the controlled datasheet and quotation: sales@cmxbattery.com — response within 24 hours.

CMX Battery · OEM/ODM lithium cell manufacturing · This overview is not a controlled document; the controlled product datasheet supersedes it where values differ.