

CELL SPECIFICATION

TerraE INR 18650 30E

High-Energy Cell · 3.0 Ah · 10.95 Wh



KEY DATA

Cell chemistry	Lithium ion (NCA) · cylindrical 18650
Nominal capacity	3,000 mAh · min. 2,900 mAh @ 0.2C
Nominal voltage	3.65 V (4.20 V charge limit)
Energy (nominal)	10.95 Wh
Internal resistance (ACR)	≤35 mΩ (AC 1 kHz)
Max. continuous discharge	2C (6.0 A) @ 20...45 °C
Operating temperature	Charge 0...+45 °C · Discharge -20...+55 °C
Cycle life	≥70% after 500 full cycles
Dimensions / weight	Ø 18.4 × 65.4 mm · max. 48 g
Certifications	UN 38.3 · IEC 62133-2:2017 (CB)

E-MOBILITY · POWER- AND GARDEN TOOLS · ENERGY STORAGE · INDUSTRIAL · MEDICAL

TerraE INR 18650 30E

Cylindrical Lithium Ion Cell



1. PRODUCT HIGHLIGHTS

- Proven high-energy 18650 for e-bike, power-tool, garden and energy-storage packs.
- Large quantities available from ongoing production – framework orders with flexible call-offs.
- Full documentation: UN 38.3 test summary, IEC 62133-2:2017 CB report, MSDS.

2. STORAGE & HANDLING

Store dry and cool; for storage beyond 3 months keep cells at 30–50% SOC and recharge periodically. Do not short-circuit, crush or heat above 100 °C.

3. DOCUMENTS

UN 38.3 test summary, IEC 62133-2:2017 CB certificate and MSDS available on request.

CONTACT

TerraE GmbH · Hainer Weg 80 · 60599 Frankfurt am Main · Germany · Sven Bauer · Sven.Bauer@terrae.com · +49 171 5441 333