

**FIAMM****SO|NICK**

24TL160-nv

Battery for Telecom

48TL80-nv BATTERY – TECHNICAL DATA

Electrical Characteristics

Nominal Voltage 24 VDC
Nominal Capacity 160 Ah
Nominal Energy 4 kWh
Voltage Operating Range 20 to 28 VDC
Max Continuous Discharge Current 50 Amps

Dimensions

Front 260 mm
Depth 550 mm
Height 320 mm
Weight 45 kg

Operational Features

Bus Voltage Range 27 to 30 VDC
External Temperature Range - 20 to + 60 °C
Internal Temperature + 280 to + 340°C
Low Voltage Disconnect 20 VDC (adjustable)
Fuse 63 Amps

Communication & Interface

Communication Port RS232 or RS485
Alarm Dry Contact 230 VAC 2A



ENVIRONMENTAL & SAFETY

Environmental Aspects

Lead and cadmium free
Zero ambient emissions
Fully recyclable materials
Efficient material usage

Safety

Steel cell case
Double Steel battery case
Typical failure mode (internal short) does not develop violent energy release
BMS diagnostics alerts on anomalies and disconnects the battery in case of serious failure.
Supplementary protection with an independent logic circuit in the event of BMS failure

ADVANTAGES (PREMIUM FEATURES)

- + Insensitivity to the operational and environmental conditions, i. e. constant performances and lifetime over a wide temperature range -20°C +60°C, as well as with heavy cycling (>2000 cycles)
- + Maintenance free
- + Fully sealed, zero emissions
- + Three times lighter than conventional batteries
- + On board control, monitoring, diagnostics, logging (Battery Management System, BMS)
- + Can be used with any DC power supply, without any adjustment
- + Integrated Low Voltage Disconnect (LVD)