

Saft solution for high power space applications

Based on Saft VL51ES Li-ion cell

Battery specifically designed for GEO and MEO applications

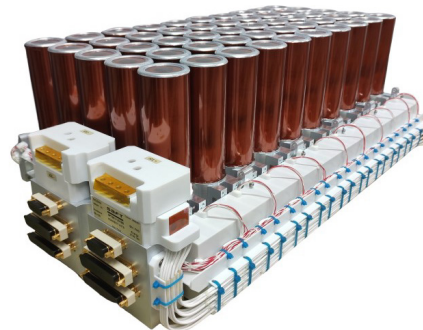
The solution for high power platform space applications is based on Saft VL51ES cell specially designed and qualified for GEO, MEO but also high power LEO satellites. A multitude of arrangements is possible to answer to platforms ranging from 5kW to 35kW with platform voltage need up to 150V.

Benefits

- Use of qualified VL51ES cells
- Battery specific energy superior to 130Wh/kg
- Adaptable configuration from 2p to 12p and from 6s to 36s
- Reliability and safety
- PR architecture, up to 100V bus

Key Features

- Optional by-pass
- Optional electronic management system
- Heaters
- Shunt resistors
- TM/TC connectors



VL 51ES 5p10s battery



VL 51ES cell

Cell electrical characteristics

Nameplate capacity (Ah)	51
Nameplate energy Wh	182

Cell physical characteristics

Diameter (mm)	54
Height (mm)	222
Weight (kg)	1.08

Typical configuration characteristics

Nameplate energy (Wh)	9100
Battery voltage range (V)	27V - 41.4
Nameplate capacity (Ah)	255

Physical characteristics

Length (mm)	699
Width (mm)	396
Height (mm)	249
Weight (kg)	69.6

Saft

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