



BPK 340

Rechargeable Lithium-ion Battery for Manpack

The BPK 340 Lithium-Ion battery unit is designed to power manpack transceivers with 14.4V nominal voltage and 15 Ah capacity.

Battery ID
Detection

Nominal Capacity
15000mAh

Capacity LED
Display



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TECHNICAL SPECIFICATIONS

Function

The BPK 340 Lithium-Ion battery unit is designed to power manpack transceivers with 14.4V nominal voltage and 15 Ah capacity.

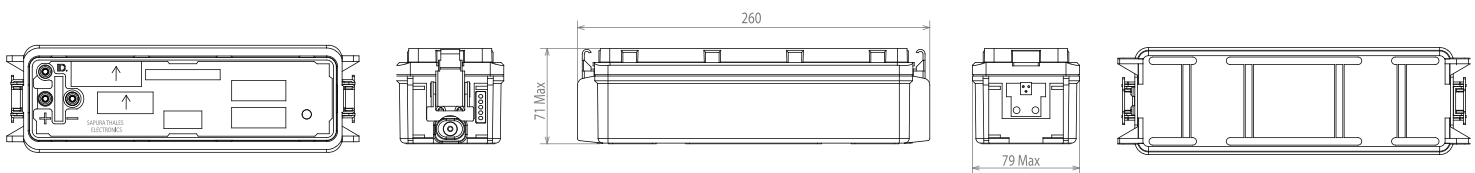
The battery consists of the assembly of six parallel branches of four lithium-ion cells in series (4s6p configuration) and connected by electronic protection circuit.

This unit is neither dismountable nor maintainable.

Description

High Impact Grade PC - ABS plastic case which is fastened underneath the transceiver. It is a one-piece unit provided with:

- Two toggle latches for fastening to the transceiver.
- Two pins for the positive and negative terminals.
- A third pin for recognition of the battery type by the charger.
- An internal electronic circuit for the electrical protections.
- Cylindrical Li-Ion elements, connected 4s 6p.
- A display of 5 available capacity by LEDs (20%, 40%, 60%, 80% and 100%),



Electrical Characteristics

Electrical characteristics

Nominal voltage	14.4V
Nominal capacity	15 Ah

Typical autonomy at +25°C, after charging at +25°C, with PR4G Tx/Rx : 22hours

Climatic characteristics:

Operating temperature	-30°C to +70°C
Charging temperature range	-40°C to +70°C

- Air transport
- Thermal shocks
- Rain and immersion

Electromagnetic Environment

As per MIL-STD-461D / 462D

Ergonomy

The BPK 340 battery is provided with a display of the available capacity which is always visible when pressing the specific button (battery connected or not) by built-in LEDs.

Physical Characteristics

Max. Dimensions	71 x 260 x 79mm
Weight	2 kg
Colour	Army green

Mechanical Environment

- As per MIL-STD-810F
- Free drops
- Shocks
- Bounce
- Vibrations

Protections

The BPK 340 battery is provided with an internal electronic circuit for electrical protections related to charging, discharging, short-circuit and temperature.

Storage

For optimum long term storage, it is recommended to store the battery packs half charged at 0°C to +25°C. A yearly maintenance charge is required.

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