

BLACKPACK 50

13s4p - data sheet



This document provides information about lithium rechargeable batteries which are designed and manufactured by CAPACITÉ, SAS.
The rechargeable battery is named GBH2-1304-1.
This battery is designed as a 13S4P battery system using a second life cylindrical 18650 cell.

Non contractual document.

GENERAL PRODUCT DESCRIPTION

Product name	BlackPack 13s4p
Product model	GBHI-1304-1
Chemistry	Second life lithium-ion cell
Dimensions	L367.5mm * H109.4mm * W90.3mm

ELECTRICAL CHARACTERISTICS

Cells configuration	13s4p
Capacity (0,2C)	11.6Ah
Nominal voltage	46.8V
Max. output voltage	54.6V
Min. output voltage	36.4V
Energy	560Wh
Standard charging current / time	2A /380 minutes or 4A / 200 minutes
Continuous Discharge	20 A
Peak discharge current	25 A for 1 minute
Max. continuous charge current	4 A
Communication protocol	CAN, Bluetooth, Wi-Fi

SAFETY FEATURES

Overvoltage protection

Undervoltage protection

Overtemperature protection in charge

Overtemperature protection in discharge

Under Temperature protection in charge

Under Temperature protection in discharge

Overcurrent protection in charge

Overcurrent protection in discharge

External short circuit protection

UVLO Surge protection

Not to charge depleted cells

MECHANICAL CHARACTERISTICS

Dimension	L367.5mm * H109.4mm * W90.3mm
Weight	3.85kg
Casing material	PC-ABS V0
Ingress Protection	IP64
Fireproof grade	V0
LED display indicator	One button - Four LEDs
Key lock mechanism	Included

OPERATING AND STORAGE TEMPERATURE

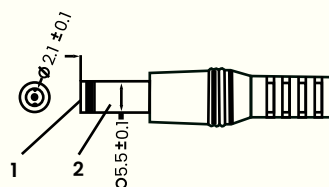
Discharge operating T°C	-20°C to +60°C
Charge operating T°C	0°C to +45°C
Storage T°C range	1 month : -20°C to +60°C 3 months : -20°C to +45°C 1 year : -20°C to +20°C
Max. delay between 2 charges	3 months respecting temperature conditions above

CHARGER INFORMATION

No charger provided with the battery.
Compatible with any CC-CV 54.5V with output constant-current lower than 4A.

The compatible DC Jack is described down below :

PIN	2 PIN
1	Output (+)
2	Output (-)



WHAT MAKES OUR BATTERIES DIFFERENT ?

CONNECTED

Bluetooth and Wi-Fi connectivity for remote diagnosis and troubleshooting.

App for end-consumers and retailers with transparency of the data.

Smart battery management with artificial Intelligence by Gouach.

FEATURE PACKED, YET AFFORDABLE

No spot-welding, no cable and lower overall part count.

Gouach is fast becoming the choice of well-known sharing mobility companies.

Designed and made in France.

SUSTAINABLE

Gouach's patented no-spot-weld technology allows batteries to be easier to assemble and repaired in less than 10 minutes.

Individual faulty cells are easily replaced in-house by the manufacturer.

No-weld and cable-free design.

