



Ref: 85902

Ref: 85903

USE

- CAS lithium batteries supply the electrical power to compatible tools for normal use.
- Compatible tools can be RUBI or any other tool from another manufacturer, if it belongs to the METABO CAS System and corresponds in voltage.

CHARACTERISTICS

- CAS batteries follow the standard of the METABO *Cordless Alliance System (CAS)*.
- They are 100% compatible with any tool in the CAS system, if the tool is powered at the same voltage.
- Available in 18V and 12V and in different charging capacities:

Reference	Voltage	Capacity
85901	18V	2Ah
85902	18V	5.2Ah
85903	12V	2Ah
85904	12V	4Ah

- 18V batteries and 12V batteries are not compatible with each other because the width of the anchor with the tool is different. In addition, the BMS (Battery Management System) integrated into the CAS tool can detect an incorrect voltage to protect both the battery and the tool.
- CAS batteries can only be charged with chargers from the same CAS system.
- The battery has 1 push button and 4 LEDs to indicate the charge and different battery statuses:

- The **charging indicator** is activated when the push button is pressed and the LEDs illuminate for 7 seconds as follows:
 - LED 1: if the battery charge is greater than 20%
 - LED 2: if the battery charge is greater than 40%
 - LED 3: if the battery charge is greater than 60%
 - LED 4: if the battery charge is greater than 80%
- If the battery is **discharged** (below 20%) LED 1 flashes 2 times.
- If there is a **battery failure**, LEDs 1, 2 and 4 flash every 15 seconds.

OTHER FEATURES

- METABO's patented air-cooling system to protect the battery during charging.
- Electronic cell protection system for longer battery life.
- No memory effect, which implies a great durability of the charge with practically no self-discharge.

TECHNICAL SPECIFICATIONS

- The technical specifications of CAS batteries are as follows:

Ref.	Voltage	Capacity	# Cells	Weight	Dimensions
85901	18V	2Ah	5 (5S1P)	429g	110x79x45mm
85902	18V	5.2Ah	10 (5S2P)	695g	110x79x62mm
85903	12V	2Ah	3 (3S1P)	222g	85x65x36mm
85904	12V	4Ah	3 (3S1P)	325g	88x75x40mm

- Storage temperature: between -20°C and 60°C
- Operating temperature: between -20°C and 50°C

PACKAGING

- The batteries are packaged in 100% recycled and recyclable cardboard.
- Specifications of Packaged Product:

Ref.	Gross weight	Dimensions
85901	498g	165x55x5mm
85902	721g	165x85x53mm
85903	399g	145x55x5mm
85904	619g	140x85x52mm