

USER MANUAL
LI-ION EVO2 BATTERY



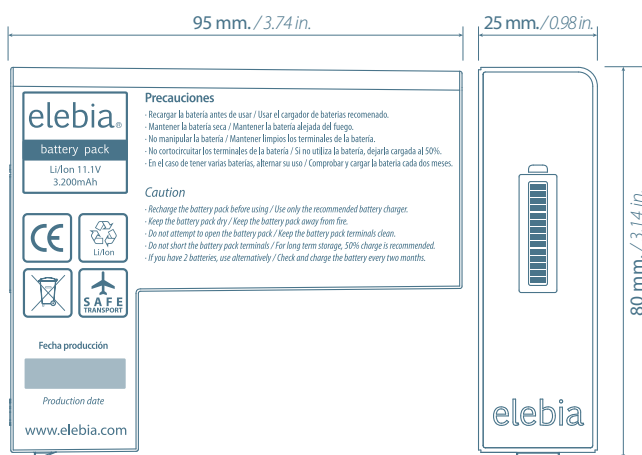
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Technical Specifications

Type	Rechargeable Li-Ion
Maximum voltage	12.4 V DC
Nominal voltage	10.95 V DC
Nominal capacity	3.2 Ah DC
Protection circuit	Charge, Discharge, Overvoltage
Maximum discharge current	6.4 A
Heat protection	Thermal 70 °C / 158 °F
Charge indicator	Eink 14 segment display
End of charge indicator	Eink 14 segment display
Temperature	0 °C to 45 °C / 32 °F to 113 °F
Charge	-20 °C to 50 °C / -4 °F to 122 °F
Discharge	-20 °C to 60 °C / -4 °F to 140 °F
Idle	-20 °C to 60 °C / -4 °F to 140 °F
Weight	150g aprox. / 5,29 ounces aprox.



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E-ink 14 segment display

- The battery status is indicated by a 14 segment E-ink display.
- The battery is fully charged when the 14 E-ink segments are black, and as the battery discharges the segments turn white.
- The battery is completely discharged when all 14 E-ink segments are white.

Charge

- Time to charge may vary depending on the chargers being used and temperature, among other variables.
- The evo2 batteries can be charged with the supplied charger or with compatible chargers.
- Rated voltage of the charger should not exceed 12.6 V
- Recommended standard charge 1.2 A Maximum current permitted 3.2 A

Discharge

- Continuous discharge 640mA/0.2C, relative capacity at 25°C~ 100%
- Maximum continuous discharge 6.4A/2C, relative capacity at 25°C~ 95%
- Maximum discharge peak 9.4A
- The battery display turns white after total discharge of battery.

Caution



- Never short circuit the terminals.
- Do not expose the battery to heat or a fire source.
- The battery should always be kept clean and dry, away from water or wet environments.
- Do not manipulate the battery. In case of manipulation, the warranty is no longer valid.
- For long term storage, the battery should be charged to 50% of its capacity, and recharged every 3 months.
- Check the charge status every 3 months and recharge. Do not store the battery discharged, as it might cause irreversible damages.
- Do not use the battery if there are any impacts, dents, etc.
- If for any reason a battery loses its charge and remains uncharged for a long period of time, make sure to check the battery before charging. Voltage between terminals must be more than 7.5 V. If the voltage is under this value, do not attempt to charge the battery and proceed to send it to our technical service.

Warranty of the evo2 battery

- 6 month warranty.

Recommendation:

Use chargers recommended by the manufacturer to charge the batteries.