

BATTERY

AS087 BE3700

LI-PO



AS087 - BE3700LI Li-Po Rechargeable Battery

Manufacturer	IMET S.R.L. Via Ronche, 93 33077 Sacile (PN) - ITALY
Year of manufacture	Refer to the first two digits of the S/N
Chemistry	Li-Po (Lithium Polymers)
Nominal Voltage	3.7 Vdc.
Nominal capacity	2000mAh
Rated battery power	7.4 Wh
Cell Type	Prismatic
Battery dimensions	Width: 65.70mm; Height: 14.40mm; Depth: 38.60mm
Battery weight	91.5g
Operating temperature range (during discharge)	-20°C ÷ 55°C
Temperature range during charging	0°C ÷ +45°C
Storage	-20°C ÷ +40°C Humidity 60%±25%RH Voltage: 3.7 -4.2V
Short circuit resistant	Yes, No explosion and fire after external short circuit
Charge retention	≥ 90% after 3 months
Duration in cycles	> 500
Charge recovery	≥ 90% after 3 months and after three charge/discharge cycles
Leakeage	The battery may burst and release dangerous decomposition products if exposed to fire. Lithium-ion batteries contain flammable electrolyte that may leak, ignite, and produce sparks if subjected to high temperatures or if damaged or used improperly (for example, mechanical damage or electrical overload); could burn quickly with flame effect; could ignite other batteries in the immediate vicinity.
Usable extinguishing agents	Dry chemicals, CO ₂ , water spray, fog or regular foam.

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Responsible disposal of used batteries is an essential practice to preserve the environment and protect human health. This process involves several steps and techniques to ensure that batteries are treated safely and sustainably.

Disposal

Once declared out of use, the battery must be delivered to the local recovery service which will dispose of all its parts. It is essential to avoid throwing batteries in household waste, as this can cause environmental pollution and damage the recycling of materials.

The crossed-out wheelie bin symbol on the battery indicates that the product must be collected separately from other waste at the end of its useful life. It is your responsibility to dispose of waste batteries by delivering them to the designated collection point for waste recycling according to REGULATION (EU) 2023/1542 of 12 July 2023.

The adequate separate collection of the parts of which the battery is made helps to avoid possible negative effects on the environment and health and promotes the recycling of materials.

EU declaration of conformity

No. DOCBE3700R00

Substances present in the battery with a concentration greater than 0.1% by weight

Chemical Name / Common Name	CAS No. / CAS	%/weight
Lithium Cobalt Oxide	-	35 - 38
Aluminium foil	7429-90-5	7 - 10
Polyvinylidene fluoride	24937-79-9	0.5 - 2
Graphite powder	7782-42-5	23 - 25
Electrolyte	21324-40-3	12 - 15
Nickel	7440-02-0	2 - 3
Polyethylene	9002-88-4	0.5 - 1
Polypropylene	9003-07-0	2 - 5
Silicon	7440-21-3	1 - 2
Epoxy Resin	38891-59-7	1.5 - 2.0
PVC	9002-86-2	0.2 - 0.5
Gold	7440-57-5	0.2 - 0.5
Copper	7440-50-8	5 - 10
Sn	7440-31-5	0.05 - 0.1