

BATTERY

AS120

BE1200LI
LI-ION



AS106 - BE3600LI Li-ION Rechargeable Battery

Producer	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-ION (Lithium Ions)
Rated voltage	3.6 Vdc .
Nominal capacity	2000mAh
Rated battery power	7.20 Wh
Cell typology	Cylindrical
Battery dimensions	Width: 27,80mm; Height: 31.00mm; Depth: 75.35mm
Battery weight	54.50 g
Operating temperature range (during discharge)	-20°C ÷ +55°C
Temperature range during charging	0°C ÷ +45°C
Storage	-5°C ÷ +35°C Humidity 60%±20%RH Voltage: 3.6V ÷ 4.2V
Short circuit resistant	Yes, No explosion and fire after external short circuit
Charge retention	≥ 90% after 1 month; ≥ 85% after 3 months; ≥ 80% after 6 months
Duration in cycles	> 500
Charge recovery	≥ 95% after 1 month and after three charge/discharge cycles ≥ 90% after 3 months and after three charge/discharge cycles ≥ 85% after 6 months and after three charge/discharge cycles
Leakage	The battery may burst and release dangerous decomposition products if exposed to fire. Lithium-ion batteries contain flammable electrolyte that may leak, ignite, and spark if subjected to high temperatures (>150°C (302°F)), damaged, or misused (e.g., 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. DOCBE1200LIR00

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

Chemical Name / Common Name	CAS No. / CAS	%/weight
Nickel cobalt manganese acid lithium	-	30 - 34
Aluminium	7429-90-5	3 - 4
Polyvinylidene fluoride resin	24937-79-9	0.8 - 1.0
Cellulose, carboxymethyl ether	9000-11-7	0.2 - 0.3
Styrene-butadiene rubber 1500	9003-55-8	0.4 - 0.5
Nickel hydride (NiH)	14332-32-2	0.9
Carbon Black	1333-86-4	17 - 19
Polypropylene	9003-07-0	2 - 3
Phosphate(1-), hexafluoro-, lithium	21324-40-3	1.2 - 1.5
Carbonic acid, dimethyl ester	616-38-6	2.5 - 3.0
Carbonic acid, ethyl methyl ester	623-53-0	4.0 - 6.0
1,3 Dioxolan-2-one	96-49-1	2.0 - 2.5
Copper	7440-50-8	7 - 9
Iron	7439-89-6	16 - 19.2