

BATTERY

AS083 BE3600 NI-MH



AS083 - BE3600 Ni-MH 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	Ni-MH
Nominal Voltage	3.6 Vd.c.
Nominal capacity	2200mAh
Rated battery power	7.92 Wh
Cell Type	Cylindrical
Battery dimensions	Width: 53,30mm; Height: 20,00mm; Depth: 53,00mm
Battery weight	107 g
Operating temperature range (during discharge)	-20°C ÷ +55°C
Temperature range during charging	0°C ÷ +40°C
Storage	-20°C ÷ +40°C
Short circuit resistant	Yes, No explosion and fire after external short circuit
Charge retention	≥ 1250 mAh
Duration in cycles	> 500
Charge recovery	≥ 2100 mAh after three charge/discharge cycles
Lekeage	Burning nickel-metal hydride batteries can produce toxic fumes, including oxides of nickel, cobalt, aluminum, manganese, lanthanum, cerium, neodymium, and praseodymium
Usable extinguishing agents	Dry sand, chemical powder, chemical extinguishing agent

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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 waste 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. DOCBEBE3600R00

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

Chemical Name / Common Name	CAS No. CAS	%/weight
Aluminium	7429-90-5	< 2
Cobalt metal	7440-48-4	
Cobalt oxide	1307-96-6	2.5 - 6.0
Cobalt Hydroxide	21041-93-0	
Lithium Hydroxide	1310-65-2	0-4
Manganese	7439-96-5	0-4
Lanthanum	7439-91-0	
Cerium	7440-45-1	< 13
Neodymium	7440-00-8	
Praseodymium	7440-10-0	
Nickel hydroxide	12054-48-7	
Nickel oxide	1313-99-1	35-55
Nickel powder	7440-02-0	
Potassium Hydroxide	1310-58-3	< 7
Sodium Hydroxide	1310-73-2	0-4
Zinc metal	7440-66-6	
Zinc oxide	1314-13-2	< 3
Zinc hydroxide	20427-58-1	
Iron	7439-89-6	10-25
Water, Paper, Plastic and Other	-	