

# BATTERY

# AS108

BE4200  
NI-MH



## AS108 – BE2400 Rechargeable Ni-MH 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	Ni-MH
Rated voltage	2.4 Vdc .
Nominal capacity	4300mAh
Rated battery power	10.3 Wh
Cell typology	Cylindrical
Battery dimensions	Width: 50.00mm; Height: 30.30mm; Length: 80.70mm
Battery weight	160 g
Operating temperature range (during discharge)	-20°C to 55°C
Temperature range during charging	0°C to +45°C
Storage	-20°C to +35°C
Short circuit resistant	Yes, No explosion and fire after external short circuit
Charge retention	≥ 2490 mAh (after 28 days)
Duration in cycles	> 500
Charge recovery	≥ 4100 mAh after three charge/discharge cycles
Leakage	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

# BATTERY

# AS108

BE4200  
NI-MH

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. DOCBE2400R00

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

Chemical Name / Common Name	CAS No. CAS	%/peso
Alluminum	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	-	