

Ni-Cd ecolife™ AA



ARTS Energy's ecolife™ high temperature Ni-Cd series are perfectly suited to emergency lighting equipment applications. It has been designed with the aim of ensuring an extended service life of 8 years whilst minimising the environmental impact.

To meet customers' requirements, ARTS Energy provides **custom-designed and standardised battery packs**.

For your battery design and system needs, please **contact ARTS Energy**.



ELECTRICAL CHARACTERISTICS

• Nominal voltage (V)	1.2
• Typical capacity (mAh)*	650
• IEC minimum capacity (mAh)*	600
• IEC designation	KRMT 15/49
• Impedance at 1000 Hz (mΩ)	26

* Charge 16 h at C/10, discharge at C/5.

DIMENSIONS

• Diameter (mm)	13.9 ± 0.1
• Height (mm)	48 ± 0.5
• Top flat area diameter (mm)	8
• Weight (g)	21

Dimensions are given for bare cells.

CHARGE CONDITIONS	Temp. (°C)	Current
• Standard (16h)	+5 to +40	C/10
• Permanent	+5 to +40	C/20

DISCHARGE CONDITIONS	Temp. (°C)	Current
	+5 to +40	1.8A max

- | | |
|--------------------|-----------------------------------|
| • ELU applications | 8y up to +40°C / permanent charge |
|--------------------|-----------------------------------|

APPLICATIONS

- Emergency lighting
- Professional lighting
- Memory back-up systems
- Security devices

MAIN BENEFITS

- Eco-designed product
- Good charge efficiency at high temperature
- Permanent charge
- Good storage retention
- Longer life duration



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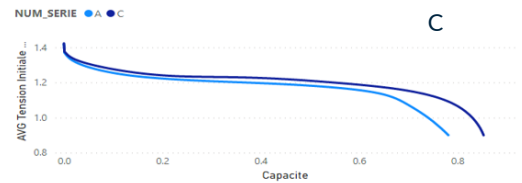
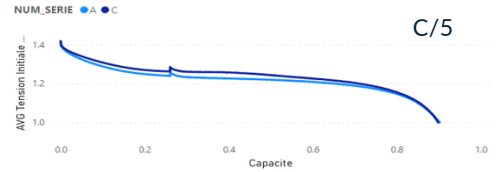
ARTS Energy ecolife™ AA is specially designed to accept a permanent charge in high temperature environment such as emergency lighting equipment.

ARTS Energy ecolife™ AA delivers an extended life duration of 8 years, compared to the 4 years required by the international standard for luminaires (IEC 60598-2-22).



Performances +20°C

Serie A : Previous
Serie C : Evolution 2023

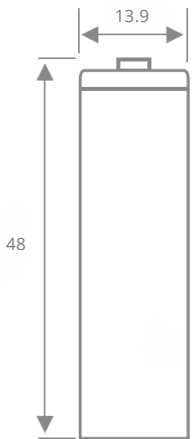


STORAGE

Recommended: + 5°C to + 25°C

Relative humidity: 65 ± 5 %

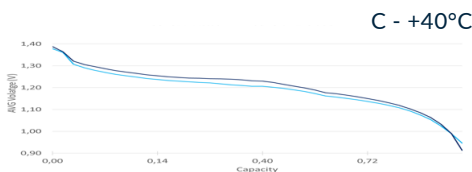
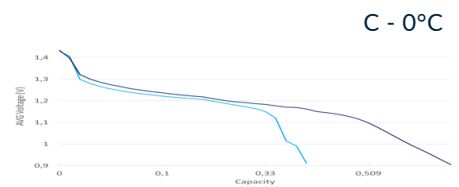
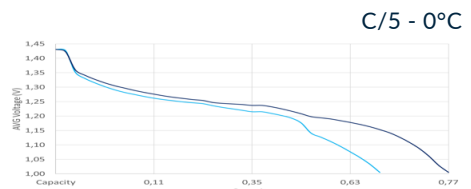
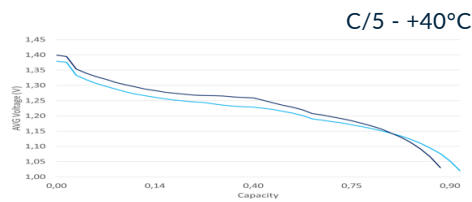
TYPICAL DIMENSIONS



Typical dimensions (mm). Without tube.

Temperature Current Performances

Serie A : Previous
Serie C : Evolution 2023



The operation of the battery must strictly be in accordance with ARTS Energy technical recommendations, to obtain the performances stated by ARTS Energy.

Data is given for single cells. Please consult ARTS Energy for utilisation of cells outside specification.

Data in this document is subject to change without notice and become contractual only after written confirmation by ARTS Energy



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