

Ni-Cd VT FL 70



ARTS Energy's VT high temperature Ni-Cd series are perfectly suited to emergency and security equipment applications. It is designed to accept a permanent charge applications at very high temperature environments (up +55°C).

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
• IEC minimum capacity (mAh)*	7000
• IEC designation	KRMT 33/91
• Impedance at 1000 Hz (mΩ)	10 mΩ

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

DIMENSIONS

• Diameter (mm)	32.15 ± 0.1
• Height (mm)	88 ± 0.5
• Overstep (mm)	2
• Top flat area diameter (mm)	8
• Weight (g)	190

Dimensions are given for bare cells.

CHARGE CONDITIONS

	Temp. (°C)	Current
• Standard (16h)	+5 to +55	C/10
• Permanent	+5 to +55	C/20

DISCHARGE CONDITIONS

• Maximum continuous current	21A	Max end of discharge voltage 0.8V/cell
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CYCLING CONDITIONS

• ELU applications	1 discharge / month MAX
• Back up applications	Consult ARTS Energy

APPLICATIONS

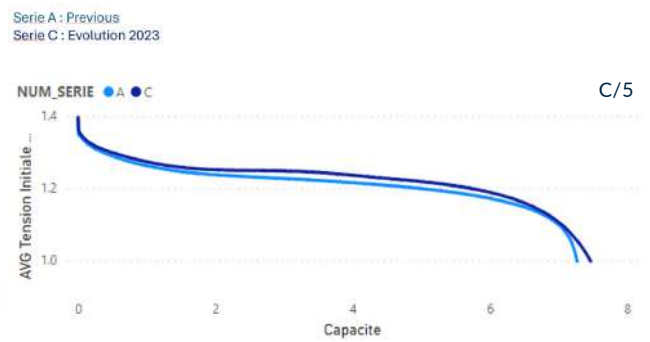
- Emergency lighting
- Back-up systems
- Security devices

MAIN BENEFITS

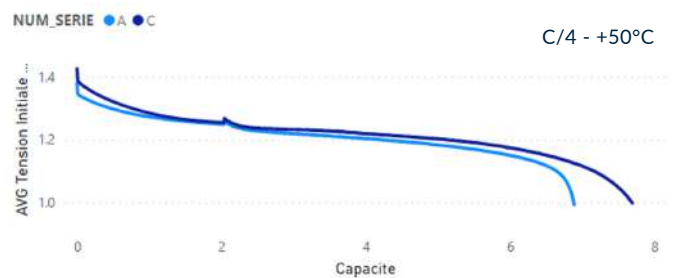
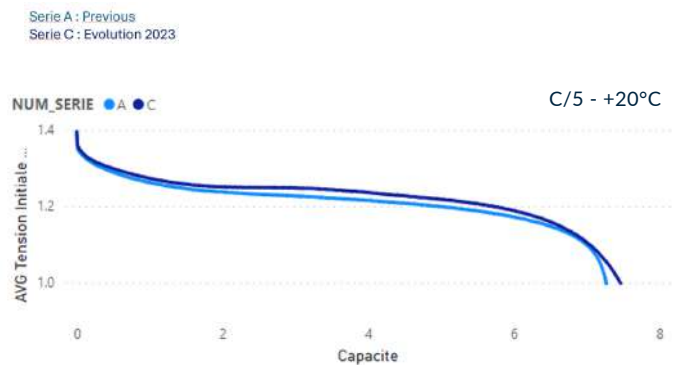
- Permanent charge
- Good charge efficiency at high temperature
- Superior robustness
- Long life duration



Performances +20°C



Temperature Current Performances

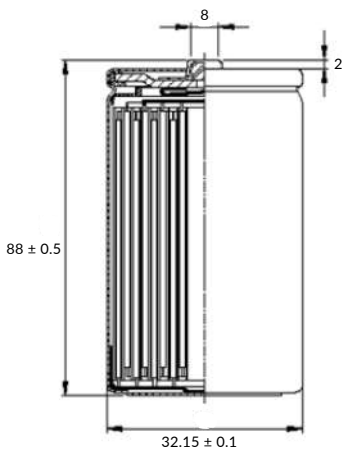


STORAGE

Recommended: + 5°C to + 25°C

Relative humidity: 65 ± 5 %

TYPICAL DIMENSIONS



Typical dimensions (mm). Without tube.

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