

# Ni-Cd VST AAL



ARTS Energy's VST high temperature Ni-Cd series are perfectly suited to emergency and security equipment applications. It is designed to accept a permanent charge for a minimum of 4 years in high temperature environments (up +40°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
• Typical capacity (mAh)*	860
• IEC minimum capacity (mAh)*	800
• 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

End of Fast charge cut-off is requested:  $-dV$  or  $dT^{\circ}C/dt$

## DISCHARGE CONDITIONS

Temp. (°C)	Current
+5 to +40	2.4A max

## LIFE DURATION

• ELU applications	4y up to +40°C / permanent charge
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## APPLICATIONS

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

## MAIN BENEFITS

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

## TECHNOLOGY

- Foam positive electrode
- Plastic bonded negative electrode

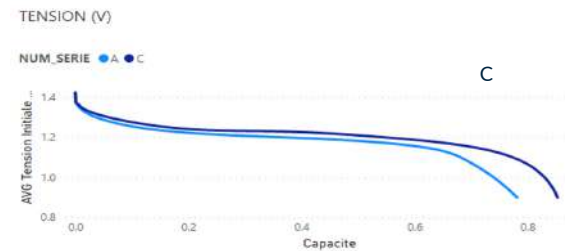
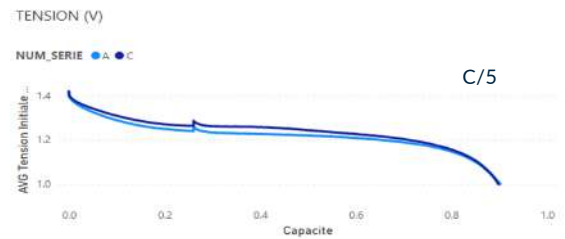


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## Performances +20°C

Serie A : Previous  
Serie C : Evolution 2023

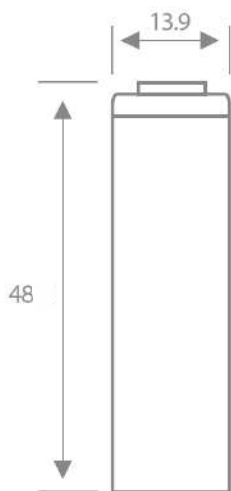


## STORAGE

Recommended: + 5°C to + 25°C

Relative humidity: 65 ± 5 %

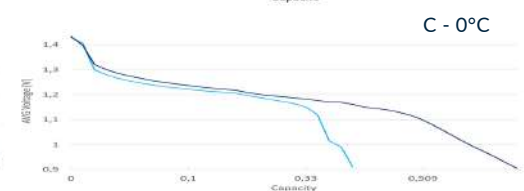
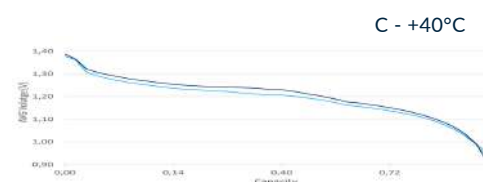
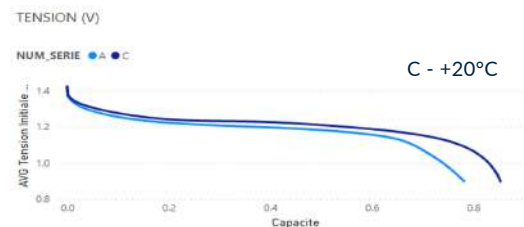
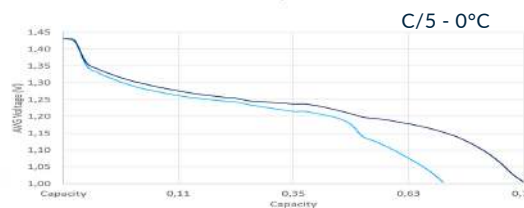
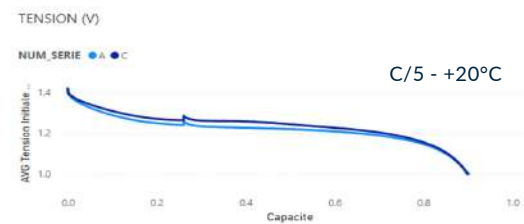
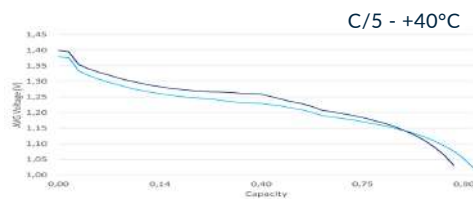
## TYPICAL DIMENSIONS



Typical dimensions (mm). Without tube.

## Temperature Current Performances

Serie A : Previous  
Serie C : Evolution 2023



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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