Ni-Cd VRE C

ARTS Energy's VRE standard Ni-Cd series are perfectly suited to cycling applications. It is designed for a wide range of applications requiring a high level of robustness.

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)*	3000
• IEC minimum capacity (mAh)*	2900
• IEC designation	KRM 26/50
• Impedance at 1000 Hz (mΩ)	3.5

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

DIMENSIONS	
• Diameter (mm)	25.05 ± 0.1
• Height (mm)	49 ± 0.3
• Top flat area diameter (mm)	10
• Weight (g)	86

Dimensions are given for bare cells.

CHARGE CONDITIONS	Temp. (°C)	Current
• Standard	0 to +40	C/10
• Fast	0 to +40	3A max

End of Fast charge cut-off is requested: -dV or dT°C/dt

DISCHARGE CONDITIONS	Temp. (°C)	Current
	+10 to +60	12A max
	-30 to +60	1C max
	-40 to +60	C/2 max

CYCLING DURATION	
• Full cycle	> 500 cycles

(100% DOD - C charge and C discharge at +20°C)

APPLICATIONS

- Professional electronics
- Professional lighting equipment
- Military equipment

MAIN BENEFITS

- Excellent cycling performance
- High power
- Superior robustness
- Extreme low temperatures (-40°C)

TECHNOLOGY

- Sintered positive electrode
- Plastic bonded negative electrode

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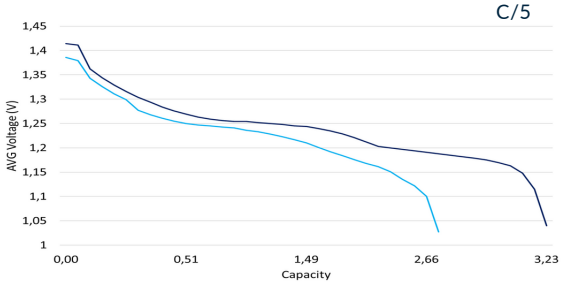
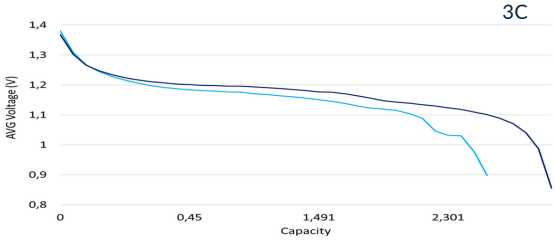
Performances +20°C

Serie A : Previous
Serie C : Evolution 2023

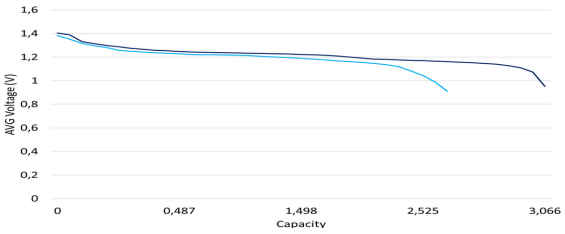
C/5



3C



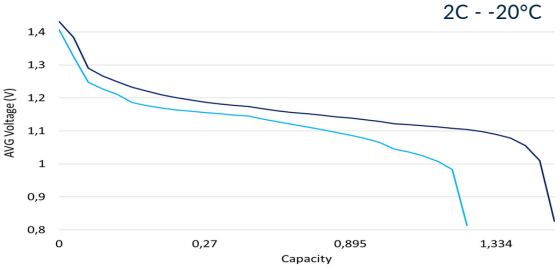
C



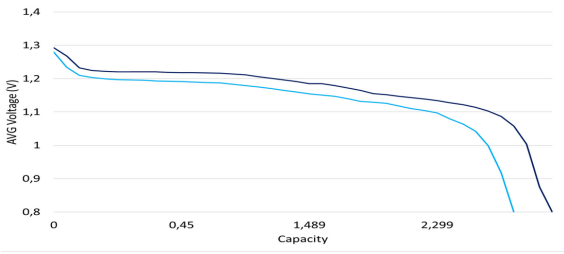
Temperature Current Performances

Serie A : Previous
Serie C : Evolution 2023

2C - -20°C



2C - +60°C

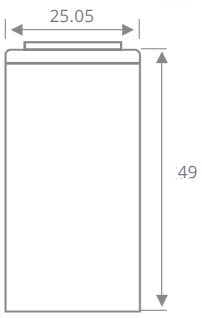


STORAGE

Recommended: + 5°C to + 25°C

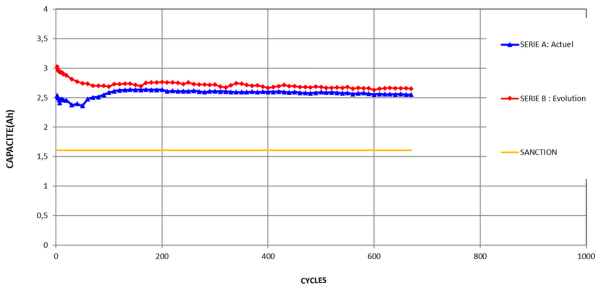
Relative humidity: 65 ± 5 %

TYPICAL DIMENSIONS



Typical dimensions (mm). Without tube.

Cycling Performances



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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