

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's engineers.

## **№** 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

	VRE AA 7 00 KRMR 15/49 L2V-700mA	
ELECTRICAL CHARACTERISTICS		
Nominal voltage (V)		1.2
Typical capacity (mAh)*		780
IEC minimum capacity (mAh)*		700
IEC designation		KRMR 15/49
Impedance at 1000 Hz (mΩ)		16
* Charge 16 h at C/10, discharge at C/5.		
DIMENSIONS		
Diameter (mm)		13.9 ± 0.1
Height (mm)		48.9 ± 0.3
Top projection (mm)		0.8 ± 0.2
Top flat area diameter (mm)		4 ± 0.2
Weight (g)		21
Dimensions are given for bare cells.	Tomp (90)	Current
CHARGE CONDITIONS Fast	<b>Temp. (°C)</b> 0 to + 40	Current 0,7A max
	0 to + 40	,
Topping (after fast charge)	0 to + 40 0 to + 40	
Trickle (after topping)	-40 to 0	0,
Charge below 0°C End of Fast charge cut-off is requested: -dV		Consult ARTS Energy
DISCHARGE CONDITIONS	Temp. (°C)	Current
DISCHARGE CONDITIONS	10 to +60	2,1A max
-	-20 to +60	1C max
	-30 to +60	C/3 max
	-40 to +60	C/5 max
CYCLING CONDITIONS		Life duration
CICEING CONDITIONS	Cycling	Life duration



VRE AA 700 Standard Series

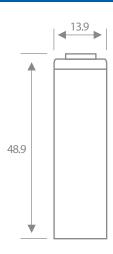
# VRE AA 700

# Standard Series

## STORAGE

Recommended: + 5°C to + 25°C Relative humidity: 65 ± 5 %

## **前 TYPICAL DIMENSIONS**



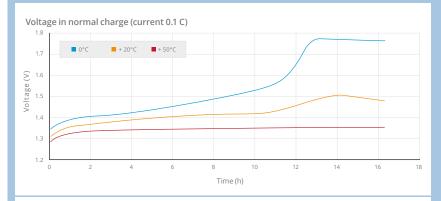
Typical dimensions (mm). Without tube.

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

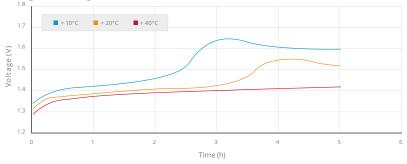
Data is given for single cells. Please consult ARTS Energy for utilisation of cells outside specification.

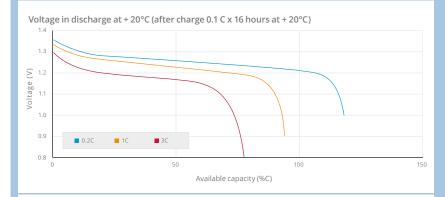
Data in this document is subject to change without notice and become contractual only after written confirmation by ARTS Energy.

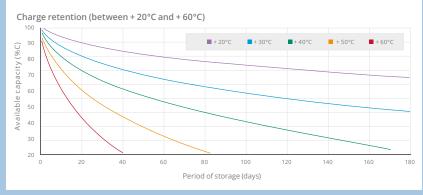
## For graphs shown, C is the IEC<sub>5</sub> capacity













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