

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

ELECTRICAL CHARACTERISTICS Nominal voltage (V) Typical capacity (mAh)* IEC minimum capacity (mAh)* IEC designation Impedance at 1000 Hz (mΩ)	KRM 26/50 1 2V - 2.3Ah	1.2 2550 2300 KRM 26/50
* Charge 16 h at C/10, discharge at C/5. <b>DIMENSIONS</b> Diameter (mm) Height (mm) Top projection (mm) Top flat area diameter (mm) Weight (g)		$25.15 \pm 0.15  49.1 \pm 0.4  0.8 \pm 0.2  12.0 \pm 0.1  70$
Dimensions are given for bare cells. CHARGE CONDITIONS Fast Topping (after fast charge) Trickle (after topping) Charge below 0°C	Temp. (°C)           0 to + 40           0 to + 40           0 to + 40           -40 to 0	Current 0,8A max Consult ARTS Energy Consult ARTS Energy Consult ARTS Energy
End of Fast charge cut-off is requested: -dV DISCHARGE CONDITIONS	or dT°C/dt Temp. (°C) 10 to +60 -30 to +60 -40 to +60	Current 12A max 1C max C/2 max
CYCLING CONDITIONS	Cycling Full cycles (100% DOD)	Life duration > 500 cycles



VRE C

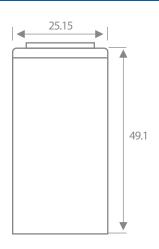
Standard Series

# VRE C Standard Series

# STORAGE

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

## **MI TYPICAL DIMENSIONS**



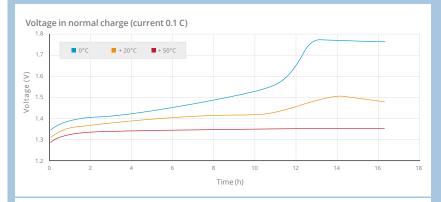
Typical dimensions (mm). Without tube.

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

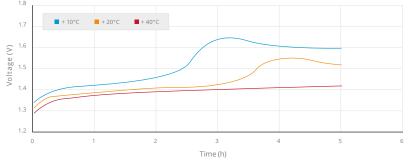
Data is given for single cells. Please consult ARTS Energy for utilisation of cells outside specification.

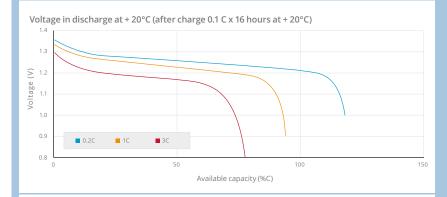
Data in this document is subject to change without notice and become contractual only after written confirmation by ARTS Energy.

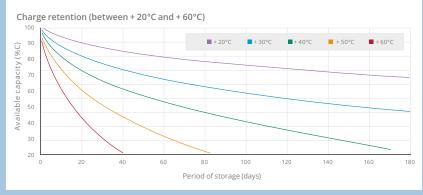
## For graphs shown, C is the IEC<sub>5</sub> capacity













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