

# Ni-Cd VNT Cs U



ARTS Energy's VNT U 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 +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
• Typical capacity (mAh)*	1650
• IEC minimum capacity (mAh)*	1600
• IEC designation	KRMU 23/43
• Impedance at 1000 Hz (mΩ)	8

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

## DIMENSIONS

• Diameter (mm)	22.0 ± 0.15/-0.05
• Height (mm)	41.9 ± 0.3
• Top projection (mm)	0.8 ± 0.2
• Top flat area diameter (mm)	9.0
• Weight (g)	43

*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

Temp. (°C)	Current
+5 to +55	4.8A max

## CYCLING CONDITIONS

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

*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*



## APPLICATIONS

- Emergency lighting
- Back-up systems
- Security devices

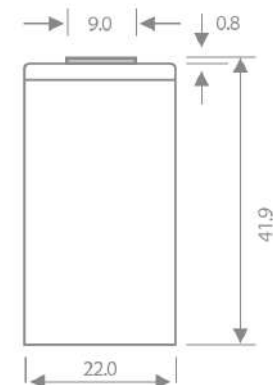
## MAIN BENEFITS

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

## TECHNOLOGY

- Plastic bonded positive electrode
- Plastic bonded negative electrode

## TYPICAL DIMENSIONS



Typical dimensions (mm). Without tube.

## STORAGE

Recommended: + 5°C to + 25°C

Relative humidity: 65 ± 5 %