

ARTS Energy's VNT 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's engineers.

№ 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

- Plastic bonded positive electrode
- Plastic bonded negative electrode

	+	•	
	NI-CD VNT CS KRMT 23/4 1.2V - 1.6A J.SA - 1.94	6	
ELECTRICAL CHARACTERISTICS	KRMT 2374;		
Nominal voltage (V)			1.2
Typical capacity (mAh)*			1650
IEC minimum capacity (mAh)*			1600
IEC designation			KRMT 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 min
Weight (g)			43
Dimensions are given for bare cells.			
CHARGE CONDITIONS	Time (h)	Temp. (°C)	Current
Standard	16	+5 to +40	C/10
Permanent		+5 to +40	C/20
DISCHARGE CONDITIONS		Temp. (°C)	Current
		+5 to +40	4.8A max
			.,
ELU applications		1 dis	charge / month MAX
Back up applications		. 015	Consult ARTS Energy



VNT CS High Temperature Series

VNT Cs High Temperature Series

STORAGE

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

IM TYPICAL DIMENSIONS



Typical dimensions (mm). Without tube.

For graphs shown, C is the IEC_s capacity











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.



10, rue Ampère Zone Industrielle - 16440 Nersac, France Tél. +33(0)5 45 90 35 52 /35 53 contact@arts-energy.com

Doc No.: 038-A-0417 - Edition: April 2017 ARTS Energy SAS. Stock capital 971.002 RCS Angoulême 792 635 013 Conception in FR by Alain Bruneaud Création



www.arts-energy.com