Ni-Cd VNT D U 4200

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's engineers.

ELECTRICAL CHARACTERISTICS

Nominal voltage (V)	1.2
IEC minimum capacity (mAh)*	4200
IEC designation	KRMU 33/60
Impedance at 1000 Hz (mΩ)	Less than 20 mOhm

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

DIMENSIONS

Diameter (mm)	32.15 ± 0.1
Height (mm)	59.65 ± 0.15
Top projection (mm)	0.9 ± 0.1
Top flat area diameter (mm)	9.95 ± 0.1
Weight (g)	110g

Dimensions are given for bare cells.

CHARGE CONDITIONS	Time (h)	Temp. (°C)	Current
Standard	16	+0 to +55	C/10
Permanent		+0 to +55	C/20

DISCHARGE CONDITIONS

Standard C/5	840 mA	end of discharge voltage 1V/cell
Max continuous current	4.2 A	end of discharge voltage 0.9V/cell

CYCLING CONDITIONS

ELU applications	1 discharge / month MAX
Back up applications	Consult 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

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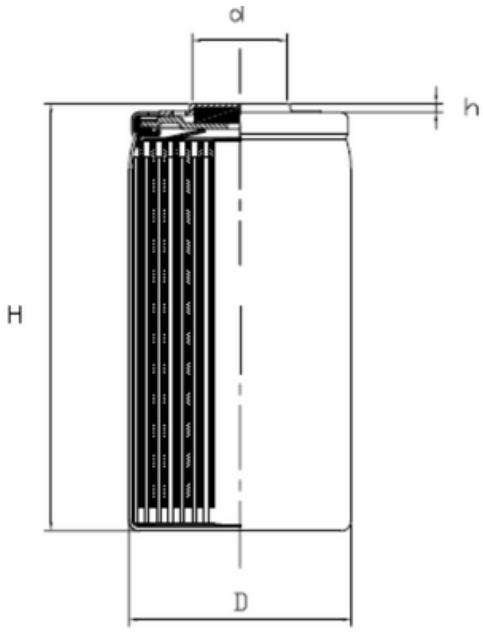
BARE CELL DRAWING



BARE CELL DIMENSIONS (mm)

Diameter: D= 32.15 ± 0.1

Height: H= 59.65 ± 0.15

Positive contact: d= 9.95 ± 0.1

Overstep: h= 0.9 ± 0.1

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