VNT D U Hc

High Temperature Series

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).

It also brings an improvement at low temperature, suiting perfectly with severe outdoor application.

To meet customers' requirements, ARTS Energy provides custom-designed and standardized battery packs.

For your battery design and system needs, please contact ARTS Energy's engineers.

Applications

- Emergency lighting
- Professional lighting
- Memory back-up systems
- Security devices

Main advantages

- Good charge efficiency at high temperature
- Good autonomy at low temperature
- Permanent charge
- Good storage retention
- Long life duration at high temperature

Technology

- Plastic bonded positive electrode
- Plastic bonded negative electrode

Temperature range in discharge

- 20°C to + 70°C

Storage

Recommended: $+5^{\circ}\text{C}$ to $+25^{\circ}\text{C}$ Relative humidity: $65 \pm 5 \%$



Nominal voltage (V)	1.2
Typical capacity (mAh)*	4500
IEC minimum capacity (mAh)*	420
IEC designation	KRMU 33/62
Impedance at 1000 Hz (m Ω)	(
* Charge 16 h at C/10, discharge at C/5.	
Dimensions	
Diameter (mm)	$32.15 \pm 0.$
Height (mm)	59.9 ± 0.
Top projection (mm)	3.1 ± 0.
Top flat area diameter (mm)	5.0

	Weight (g)			124
	Dimensions are given for bare cells.			
	Charge conditions Rate	Time (h)	Temp. (°C)	Charge current (mA)
	Standard*	16	+ 15 to + 55	420
	D		. 1544 . 55	210

Permanent	+ 15 to + 55	210				
Trickle**		100 to 130				
* End of charge cut-off is requested: timer, coulomb meter.	** Trickle charge follows full charge.					
Maximum discharge current						
Continuous (A) at + 20°C		14				
Peak (A) at + 20°C*		150				



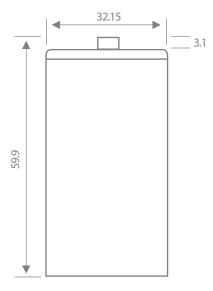


Advanced Rechargeable Technology and Solutions



Typical performances

For graphs shown, C is the IEC₅ capacity.



Dimensions are in mm.

Data are given for single cells. Please consult ARTS Energy for utilization of cell outside this specification.

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

