

ARTS Energy's VHT U high temperature Ni-MH series are perfectly suited to emergency lighting and power back-up requirements. With an intermittent charging regime, the design life is 4 years in high temperature environments (up + 50°C).

The VHT D U cell is designed to accept intermittent charge in a wide range of temperatures (0°C to + 50°C). The VHT D U allows a significant reduction in the energy consumption of luminaires.

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 (ELU)
- Back-up systems

#### **MAIN BENEFITS**

- 4 years life duration at 50°C
- Excellent charge efficiency at high temperatures
- Intermittent charge

#### **☆**<sup>☆</sup> TECHNOLOGY

- Foam positive electrode
- Plastic bonded metal-hydride negative electrode

V	+ NI-MH /HT D HRMU 33/ 1.2V - 6/	62	
ELECTRICAL CHARACTERISTICS			
Nominal voltage (V)			1.2
Typical capacity (mAh)*			6400
IEC minimum capacity (mAh)*			6000
IEC designation			HRMU 33/62
Impedance at 1000 Hz (mΩ)			4
* Charge 16 h at C/10, discharge at C/5.			
DIMENSIONS			
Diameter (mm)			32.15 ± 0.1
Height (mm)			58.2 ± 0.4
Top projection (mm)			$1.4\pm0.4$
Top flat area diameter (mm)			5.6
Weight (g)			137
Dimensions are given for bare cells.	-		
CHARGE CONDITIONS RATE		Temp. (°C)	Current
Standard	16	0 to + 50	600 mA
Intermittent		0 to + 50	0,7
DISCHARGE CONDITIONS		Temp. (°C)	Current
Max Continuous		0 to + 50	18 A
CYCLING CONDITIONS ELU applications			ischarge / month MAX

# NI-MH

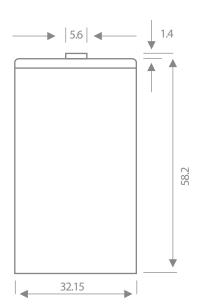
VHT D U High Temperature Series

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## STORAGE

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

### **MI TYPICAL DIMENSIONS**



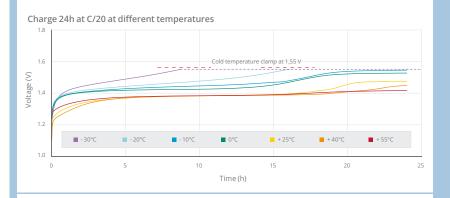
Typical dimensions (mm). Without tube.

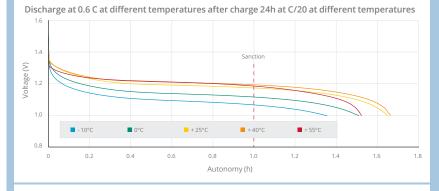
The operation of the battery must strictly be in accordance with ARTS Energy technical recommendations, to obtain the performances stated by ARTS Energy.

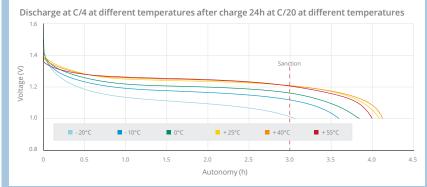
Data is given for single cells. Please consult ARTS Energy for utilisation of cells outside specification.

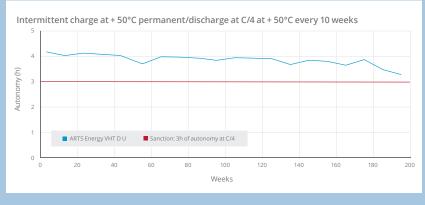
Data in this document is subject to change without notice and become contractual only after written confirmation by ARTS Energy.

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











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