

ARTS Energy's VHT high temperature Ni-MH series are perfectly suited to professional applications requiring a battery with an exceptional robustness. It is designed to operate in very demanding environment.

The VHT AA has been designed to offer a very long life duration in a wide range of temperature.

In ELU the VHT AA will offer more than 4 years life at 40°C permanent temperature (T type cell).

In back up applications, the VHT AA will offer 5 to 10 years life.

In cycling application (solar, peak shaving), the VHT AA will offer 5 to 10 years life in an environment from -40°C to +85°C. It delivers for example, 5000 cycles at 50% DOD.

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

For applications below -20°C and above +60°C, please contact ARTS Energy to confirm the optimum battery design, and to agree the usage profiles.

### **№** APPLICATIONS

- Emergency lighting (ELU)
- Back-up systems
- Peak shaving applications (money saving)
- Professional electronics
- Solar

### **MAIN BENEFITS**

- · Very high cycle life
- Exceptional temperature range
- Superior robustness

#### **☆** TECHNOLOGY

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





VHTAA

High Temperature Series

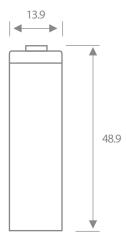
# **VHT AA**

## High Temperature Series

### **STORAGE**

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

### **IM TYPICAL DIMENSIONS**



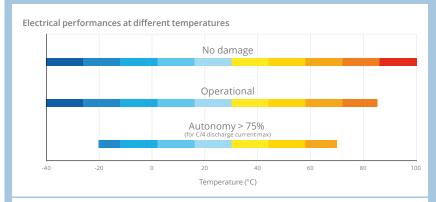
Typical dimensions (mm). Without tube.

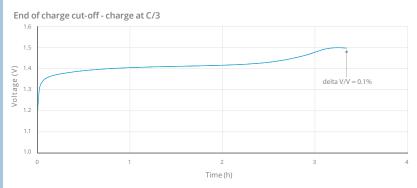
The operation of the battery must strictly be in accordance with ARTS Energy technical recommendations, to obtain the performances stated by ARTS Energy.

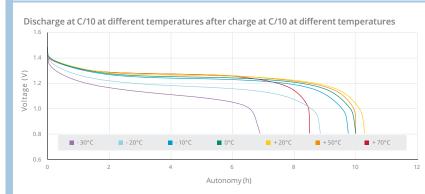
Data is given for single cells. Please consult ARTS Energy for utilisation of cells outside specification.

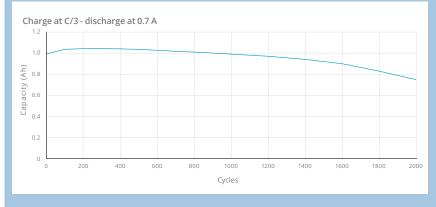
Data in this document is subject to change without notice and become contractual only after written confirmation by ARTS Energy.

#### For graphs shown, C is the IEC<sub>5</sub> capacity.











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Doc No.: 022-B-0418 - Edition: April 2018 ARTS Energy SAS. Stock capital 971.002 RCS Angoulême 792 635 013 Conception in FR by Alain Bruneaud Création



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