

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 environments.

The VHT F 13000 has been designed to offer a very long life duration in a wide range of temperatures.

In ELU the VHT F 13000 will offer more than 4 years life at 40°C permanent temperature (T type cell).

In back up applications, the VHT F 13000 will offer 5 to 10 years life.

in cycling applications (solar, peak shaving), the VHT F 13000 will offer 5 to 10 years in cold and moderate climates, and 5 years in extreme hot climates (Middle-East). It delivers more than 2000 cycles at 80% DOD (charge 4A, discharge 6A).

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 on the usage profiles.

N 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



NEME VHT F 13000

HRMT 33/91 1.2V - 13 Ah

5 to 10 years

5 to 10 years

1 discharge/day max

1 discharge/day max



Back up applications

Solar applications

VHTF 13000 High Temperature Series

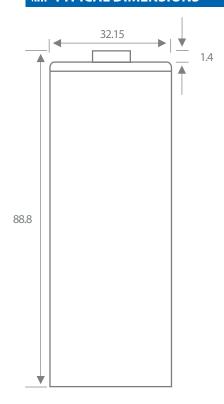
VHT F 13000

High Temperature Series

STORAGE

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

IM TYPICAL DIMENSIONS



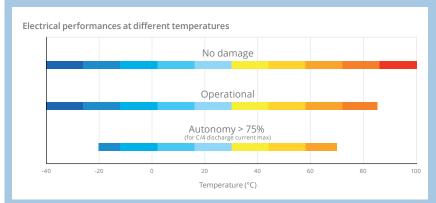
Typical dimensions (mm). Without tube.

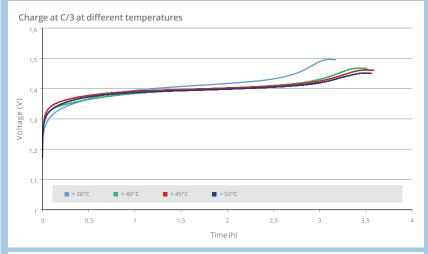
The operation of the battery must strictly be in accordance with ARTS Energy technical recommendations, to obtain the performances stated by ARTS Energy.

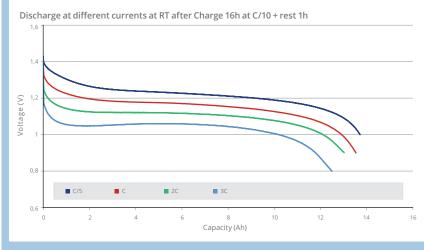
Data is given for single cells. Please consult ARTS Energy for utilisation of cells outside the specification.

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 IEC₅ capacity.









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