# VRE D Standard Series

ARTS Energy's VRE standard Ni-Cd series are perfectly suited to cycling applications. It is designed for a wide range of applications requiring a high level of robustness.

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**

- Electric bicycles, scooters & wheelchairs
- Professional electronic devices
- Lighting equipment
- Military equipment

## Main advantages

- Super high capacity
- Fast charge
- Good storage ability
- Excellent cycling performance

# Technology

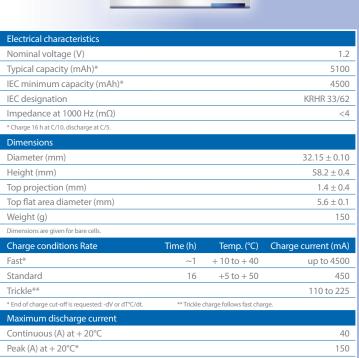
- Sintered positive electrode
- Plastic bonded negative electrode

## Temperature range in discharge

- 20°C to + 60°C

## Storage

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



1.00

NER

SAFT

NI-CD

RE D

**KRHR 33/62** 

1.2V - 4500mAh

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\* Peak duration: 0.3 second - final discharge voltage 0.65 volt/cell

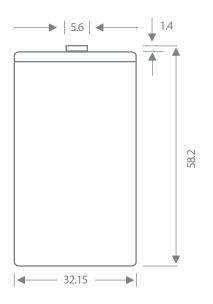


Advanced Rechargeable Technology and Solutions

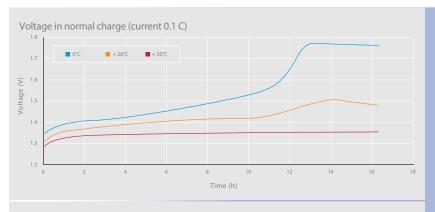


## **Typical performances**

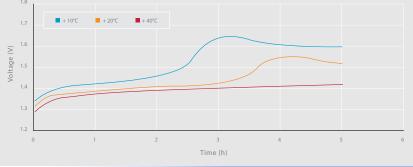
For graphs shown, C is the  $IEC_{5}$  capacity.



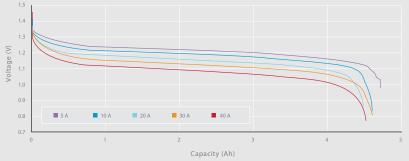




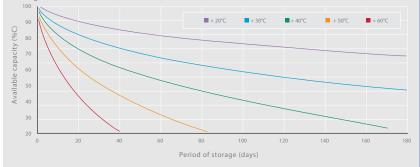








Charge retention (between + 20°C and + 60°C)



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.



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