VRE D 5500

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 appliances
- Professional lighting
- Lawn and gardening tools
- Vacuum cleaners

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



| Electrical alcomorphists | | | |
|---|--|--------------|-------------------|
| Electrical characteristics | | | |
| Nominal voltage (V) | | | 1 |
| Typical capacity (mAh)* | | | 550 |
| IEC minimum capacity (mAh)* | - | | 500 |
| IEC designation | | | KRHR 33/6 |
| Impedance at 1000 Hz (m Ω) | | | < |
| * Charge 16 h at C/10, discharge at C/5. | | | |
| Dimensions | | | |
| Diameter (mm) | | | 32.15 ± 0. |
| Height (mm) | | | 58.2 ± 0 |
| Top projection (mm) | | | 1.4 ± 0 |
| Top flat area diameter (mm) | | | 5.6 ± 0 |
| Weight (g) | | | 1: |
| Dimensions are given for bare cells. | | | |
| Charge conditions Rate | Time (h) | Temp. (°C) | Charge current (m |
| Fast* | ~1 | + 10 to + 40 | up to 500 |
| Standard | 16 | 5 to + 50 | 50 |
| Trickle** | | | 1. |
| * End of charge cut-off is requested: -dV or dT°C/dt. | ** Trickle charge follows fast charge. | | ge. |
| Maximum discharge current | | | |
| Continuous (A) at + 20°C | | | ! |
| Peak (A) at + 20°C* | | | 1! |

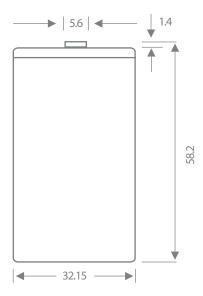


Advanced Rechargeable Technology and Solutions



Typical performances

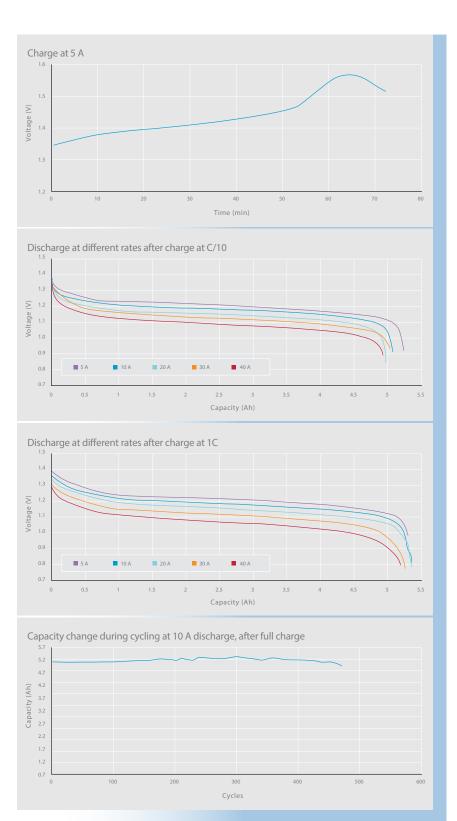
For graphs shown, C is the IEC₅ capacity.



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.





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