

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 standardised battery packs.

For your battery design and system needs, please contact ARTS Energy's engineers.

№ APPLICATIONS

- Professional electronics
- Professional lighting equipment
- Military equipment

MAIN BENEFITS

- Excellent cycling performance
- High power
- Superior robustness
- Extreme low temperatures (-40°C)

TECHNOLOGY

- Sintered positive electrode
- Plastic bonded negative electrode

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ELECTRICAL CHARACTERISTICS	VVUIX SOLID	
Nominal voltage (V)		1.2
Typical capacity (mAh)*		1800
IEC minimum capacity (mAh)*		1700
IEC designation		KRHR 23/43
Impedance at 1000 Hz (mΩ)		5
* Charge 16 h at C/10, discharge at C/5.		
DIMENSIONS		
Diameter (mm)		22.0 + 0.15/-0.05
Height (mm)		41.9 ± 0.3
Top projection (mm)		0.8 ± 0.2
Top flat area diameter (mm)		9.0 min
Weight (g)		45
Dimensions are given for bare cells.		
CHARGE CONDITIONS	Temp. (°C)	Current
Fast	0 to + 40	1,7A max
Topping (after fast charge)	0 to + 40	Consult ARTS Energy
Trickle (after topping)	0 to + 40	
Charge below 0°C	-40 to 0	Consult ARTS Energy
End of Fast charge cut-off is requested: -dV		C
DISCHARGE CONDITIONS	Temp. (°C)	Current
	10 to +60	17A max
	-20 to +60	1C max
	-30 to +60 -40 to +60	C/3 max C/5 max
		Life duration
CYCLING CONDITIONS	Cycling	



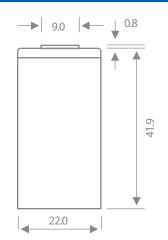
VRE Cs 1800 Standard Series

VRE Cs 1800 Standard Series

STORAGE

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

前 TYPICAL DIMENSIONS



Typical dimensions (mm). Without tube.

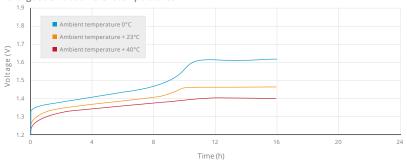
The operation of the battery must strictly be in accordance with ARTS Energy technical recommendations, to obtain the performances stated by ARTS Energy.

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

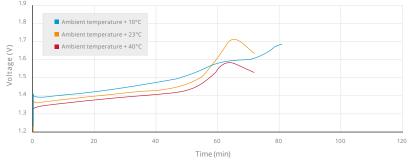
Data in this document is subject to change without notice and become contractual only after written confirmation by ARTS Energy.

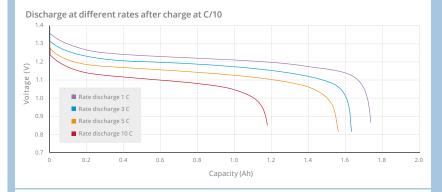
For graphs shown, C is the IEC_s capacity

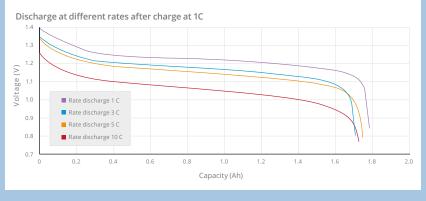














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