Standard Series
Nickel-Cadmium
VRE C

Engineered for cycling applications Saft's VRE C cell ideally suits for a wide range of applications.

In addition, the VRE C is well-adapted for applications requiring a permanent charge (C/20) at temperatures of up to + 35°C.

To meet customers' requirements, Saft provides custom-designed and standardized battery packs.

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

Applications
- Professional electronics
- Cordless communication systems
- Home appliances
- Radio controls and toys

Main advantages
- High energy series giving a higher operating time
- Good storage retention
- Quick charge
- Cycling application

Technology
- Sintered positive electrode
- Plastic bonded negative electrode

Temperature range in discharge
- 20°C to + 60°C

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

Electrical characteristics	
Nominal voltage (V)	1.2
Typical capacity (mAh)*	2550
IEC minimum capacity (mAh)*	2300
IEC designation	KRM 26/50
Impedance at 1000 Hz (m Ω)	5

* Charge 16 h at C/10, discharge at C/5.

Dimensions	
Diameter (mm)	25.15 ± 0.15
Height (mm)	49.1 ± 0.4
Top projection (mm)	0.8 ± 0.2
Top flat area diameter (mm)	12.0 ± 0.1
Weight (g)	75

Dimensions are given for bare cells.

Charge conditions			
Rate	Time (h)	Temp. (°C)	Charge current (mA)
Quick*	3 to 4	+ 10 to + 45	up to 800
Standard	16	0 to + 50	230
Trickle**			80

* End of charge cut-off is requested: -dV or dT°C/dt.
** Trickle charge follows quick charge.

Maximum discharge current	
Continuous (A) at + 20°C	12
Peak (A) at + 20°C*	130

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

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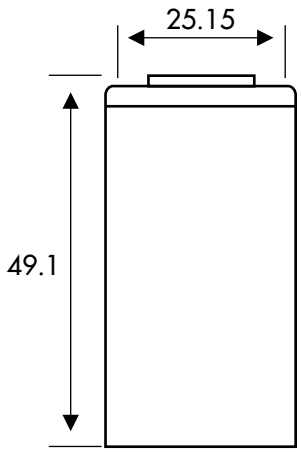
Typical performances

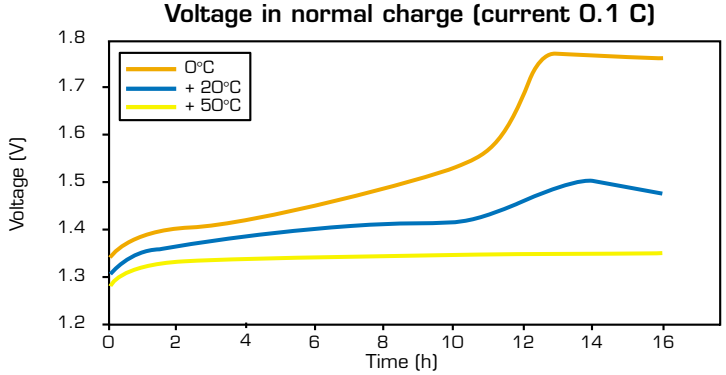
For graphs shown, C is the IEC_5 capacity.
Dimensions are in mm.



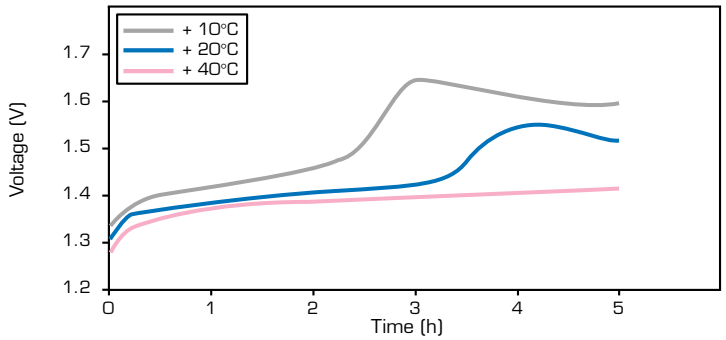
Data are given for single cells.
Please consult Saft for utilization of cell outside this datasheet.

Data in this document are subject to change without notice and become contractual only after written confirmation by Saft.

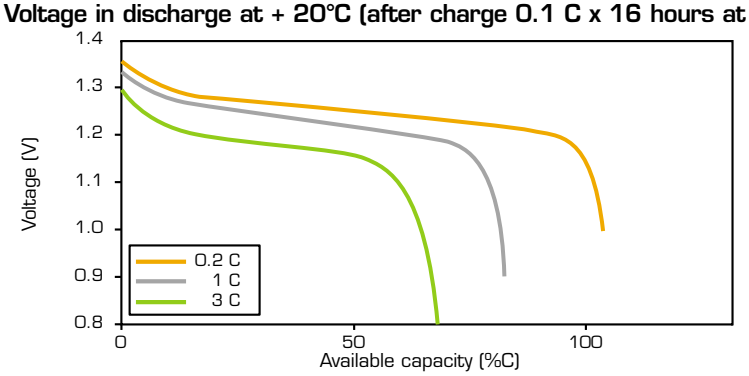
Voltage in normal charge (current 0.1 C)



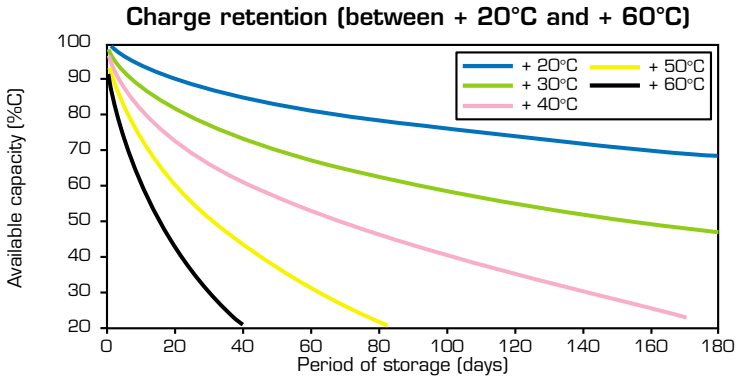
Voltage in fast charge (current 0.3 C)



Voltage in discharge at + 20°C (after charge 0.1 C x 16 hours at + 20°C)



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



CELL PACK SOLUTIONS

Telephone: +44 (0)191 496 9999
Email: batteries@cellpacksolutions.co.uk
Website: www.cellpacksolutions.co.uk

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