NEW!

VRE Cs 1800 High Energy series

Nickel-Cadmium



Developed to fit consumer power tools and home appliances, this cell is also perfectly designed for all equipment where an extended cycle life and a longer operating time are required, such as radio control toys, etc.

To meet customers requirements, Saft will provide custom-designed and standardized battery packs.

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

Applications

- Power tools (drills, screw drivers, etc)
- · Lawn and gardening equipment
- Home appliances (vacuum cleaners, etc)
- · Toys and consumer products
- · Payment terminals

Main advantages

- Cycling application
- · Permanent, quick and fast charge
- · Extended cycle life
- Good charge retention

Technology

- Sintered positive electrode
- Plastic bonded negative electrode

Temperature range in discharge

 -20° C to $+60^{\circ}$ C

Storage

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

Please consult Saft for utilization of cell outside this specification



Electrical characteristic

Nominal voltage (V)	1.2
IEC typical capacity (mAh) at C/5	1 800
IEC minimum capacity (mAh) at C/5	1 700
IEC designation	KRH 23/43
Impedance at 1000 Hz (mΩ)	5
Dimensional characteristics	
Diameter (mm)	22.0 ± 0.2
Height (mm)	41.9 ± 0.3
Top projection (mm)	0.8 ± 0.2
Top flat area diameter (mm)	10.5
Weight (g)	50
Dimensions are given for bare cells	

Charge conditions

Rate	Time (h)	Temp. (°C)	Charge current (mA)
Fast	~ 1	+ 10 to + 45	1 800
Quick	~ 4	+ 5 to + 50	600
Standard	16	0 to +50	180
Permanent		0 to +50	90 ~ 150
Trickle*		-5 to +50	60
*Trickle charge	follows fast, quick	or standard charge	

Maximum discharge current

Continuous (A) at +20°C	18
Peak (A) at +20°C*	40
* Deak duration 0.2 second final discharge voltage 0.4E volt/cell	

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





VRE Cs 1800

Typical performances

For graphs shown, C is the IEC C_5 capacity.





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