

# NH8500 D Ni-MH cell

High capacity series

SIZE "D"

IEC designation: KRH 35/62

## Electrical characteristics

Nominal Voltage	1,2 V
IEC rated capacity	8300 mAh
IEC typical capacity	8500 mAh
Impedance at 1kHz	7,5 mOhm

## Charge conditions

		Temp.
Standard	830 mA x 14 h	0 / 40°C
Quick (*)	2700 mA x 4 h	5 / 40°C
Fast (*)	4150 mA x 2,5 h	5 / 30°C
Trickle (**)	< 270 mA	-5 / 40°C

## Discharge conditions

		Temp.
Continuous	24 A	0 / 40°C
Peak	40 A	0 / 40°C

## Mechanical dimensions

Diameter	32 mm.
Height	60 mm.
Weight	150 g. approx.

## Storage conditions

		Temp.
Recommended		5 / 25°C

For better battery performance charge every 3 months

(\*) Quick and fast charge need proper end charge cut-off termination.

(\*\*) Trickle charge follows Standard, Quick or Fast charge.

To prevent overdischarging always adopt end discharge cut-off circuits.

Battery performance are strongly affected by usage conditions

Mentioned data are for reference only

Consult ELTEC for details.

### CAUTIONS!

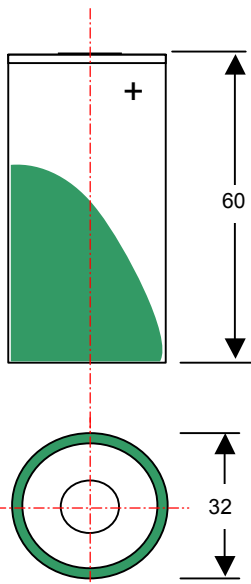
Never short circuit a cell or a battery.

Never sold wires or leads directly to cell poles. Use tabbed cells.

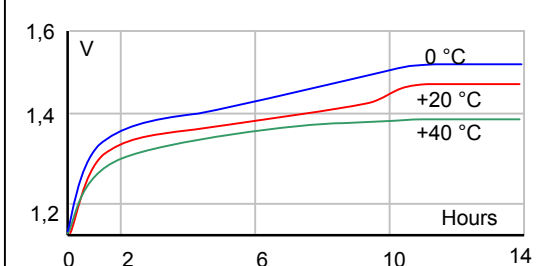
Do not dismantle or incinerate.

**Protect the environment.**

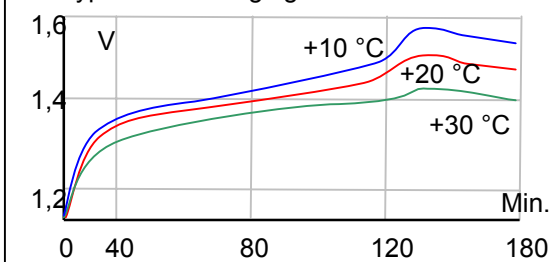
**Collect used cells and batteries for recycling.**



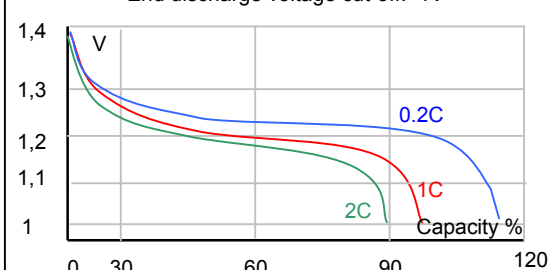
Typical 0,1C charging curve



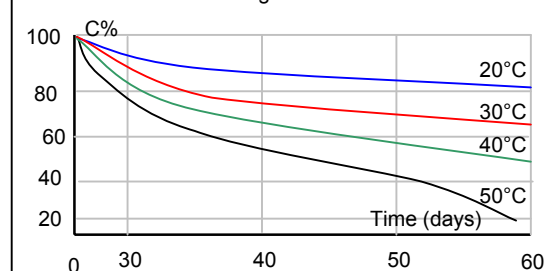
Typical C/2 charging curve



Available capacity and voltage at 20°C  
End discharge voltage cut-off: 1V



Charge retention



Expected cycle life Vs. temp.

