

Declaration of Design For Tridonic NiMh Cs batteries intended for use with Tridonic Emergency lighting modules with constant current charging		
Parameter	Technical Data	International Standards Clauses / Comments
Article numbers	89899755, 89899744, 89899700, 89899703, 89899706, 89899707, 89899704	
International designation	HRT 23/43 Cylindrical, Medium discharge, High temperature, Max dimensions 23mm diameter 43mm height per Cell	IEC 61951-2 (ex IEC 61436) § 5.1.2
Format	Cs	
Rated capacity at C/5	2 Ah	IEC 61951-1 § 3.3.7 & 7.2.1
Cells intended for permanent charge at elevated temperatures	Yes	IEC 61951-2 (ex IEC 61436) § 7.2 IEC 61951-2 (ex IEC 61436) § 7.4.2.3 and 7.9 (test simulating 4 years of permanent charge at +40°C)
Expected operating life under following conditions:	4 years	IEC 60598-2-22 § 22.6.8
• Maximum continuous temperature	+55°C	
• Minimum temperature	+5°C	
• Permanent charging current	60 to 115 mA	
• Maximum charging voltage	1,7 V	
• Discharge Frequency	Once a month to once a year	
• Typical operating time in discharge at the max rate of :	1 hour 1,1A	IEC 60598.2.22 - 2002 - Annex A Cut-off voltage 1,0V/cell

Dornbirn, 27.02.2013



Uli Mathis
Technical Director