

Declaration of Design
For Tridonic NiCd D batteries intended for use with Tridonic
Emergency lighting modules with multi level charging

Parameter	Technical Data	International Standards Clauses
Article numbers	89800084, 89800085, 89800086, 89800087, 89800088	
International designation	KRMU 33/62 Cylindrical, Medium discharge, High temperature (50°C), Max dimensions 33mm diameter/ 62mm hight per Cell	EN 61951-1:2003 (§ 5.1.2)
Format	D	-
Rated capacity at C/5	4,0 Ah	EN 61951-1:2003 (§ 3.3.7)
Cells intended for permanent charge at elevated temperatures	Yes	EN 61951-1:2003(\$ 7.4.2.4) & (§ 7.9) (test simulating 4 years of permanent charge at +50°C)
Expected operating life under following conditions:	4 years	EN 60598-2-22 § 22.6.8
• Maximum continuous temperature	+50°C	
• Maximum temperature (occasional)	up to +75°C	Shorter than 1 month.
• Minimum temperature	- 5°C	
• Preconditioning charge 20 h	330 mA	
• Fast charge 15 h	330 mA	9 times discharge time up to 15 hours
• Permanent charging current	130 mA	Maintenance
• 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 / 2,4A 3 hours / 1,1A	according to EN 60598 2-22 table 1 Cut-off voltage 0,9 - 1.1V/cell

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