

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	89800092, 89800089, 89800090, 89800091	
International designation	KRMU 33/62 Cylindrical, Medium discharge, High temperature (50°C), Max dimensions 33mm diameter/ 62mm high per Cell	EN 61951-1:2003 (§5.1.2)
Format	D	
Rated capacity at C/5	4,5 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	+55°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 / 2,5A 3 hours / 1,2A	according to EN 60598 2-22 table 1 Cut-off voltage 0,9 - 1.1V/cell

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