

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	89895960, 89895973, 89895978, 89895963, 89895976, 89895977, 89899672, 89899673, 89899675	
International designation	KRMU 33/62 Cylindrical, Medium discharge, High temperature (50°C), Max dimensions 33mm diameter/ 62mm hight per Cell	IEC 61951-1 § 5.1.2 Amend 2005
Format	D	-
Rated capacity at C/5	4,2 Ah	IEC 61951-1 § 3.3.7 & 7.2.1
Cells intended for permanent charge at elevated temperatures	Yes	IEC 61951-1 § 7.9 IEC 61951-1 § 7.4.2.4 Amend 2005 (test simulating 4 years of permanent charge at +50°C)
Expected operating life under following conditions:	4 years	IEC 60598-2-22 § 22.6.8
• Maximum continuous temperature	+55°C	IEC 60598-2-22 Annex A.4.2
• Maximum temperature (occasional)	up to +75°C	1 month maximum – 60°C during the preconditioning and 75°C for fast charge.
• Preconditioning charge 20 h	330 mA	4 times discharge time up to 15 hours
• Fast charge	330 mA	
• 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 / 2,2A 3 hours / 1,2A	according to EN 60598 2-22 table 1. Cut-off voltage 1.1V/cell

Dornbirn, 21.02.2013



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