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3 Scope

This specification applies to the Lithium Ion Battery NCA793540-H00AA for Two Way Radio by Fulogic Inc..

This Specification shall not apply to special applications requiring a high degree of quality and reliability where the failure or malfunction of the products may directly jeopardize life or cause threat of personal injury. A non-exhaustive list of such applications includes: weapons, aircraft and aerospace equipment, aircraft electronics equipment, medical equipment (excluding Class 1 equipment), intrinsically safe equipment, electric vehicles, hybrid electric vehicles, and electric motorcycles (excluding electric bicycles).

4 Battery Classification and Product Code

4.1	Battery Classification	Lithium Ion Battery
4.2	Product Code	T.B.D
4.3	Model Name	NCA793540-H00AA
4.4	Cell Type	NCA793540

5 Nominal Specifications

Item		Specifications	Notes
5.1	Rated Capacity	1485mAh	0.297A discharge at 20°C
5.2	Capacity (Minimum)	1515mAh	0.303A discharge at 25°C
5.3	Capacity (Typical)	1570mAh	Reference only
5.4	Nominal Voltage	3.6V	0.303A discharge
5.5	Discharging End Voltage	2.75V	
5.6	Charging Current (Std.)	1.06A	
5.7	Charging Voltage	4.20 ± 0.03V	
5.8	Charging Time (Std.)	4.0 hours	
5.9	Continuous Discharge Current (Max.) *	3.03A	0 ~ +40°C
5.10	Internal Resistance	less than 100m	AC impedance 1 kHz
5.11	Weight	less than 25.0g	
5.12	Operating Temperature	Charge	+10 ~ +45°C
		Discharge	-20 ~ +60°C
5.13 (Shipping Charge State)	Storage Conditions	less than 1 month	-20 ~ +50°C
		less than 3 months	-20 ~ +40°C
		less than 1 year	-20 ~ +20°C
			Recoverable Capacity: 80%*

*1 The maximum discharge current for a single cell use. However after the battery pack assembly, maximum discharge current will be limited by a protection circuit or device.

*2 Recoverable Capacity = $\frac{\text{Discharge Time after Storage}}{\text{Initial Discharge Time}} * 100$

The discharge time is measured by fully charging the battery at 25°C and then discharging it at a current of 0.303A to 2.75V per cell in series.

File No.	NCA793540-011	Rechargeable Battery Business Division, SANYO Electric Co., Ltd.
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