

UN38.3 Test Report Summary

Name: Lithium Iron Phosphate Battery

Model: LT12-20

Watt Hours: 256

Un certification: 3480

Date of Test: 29 May 2024

Testing Laboratory: Anbotek

Report Number: 182715C400196101



Description:

Battery Nominal Voltage:	12.8V	Rated Capacity:	20Ah 256Wh	Mass:	2311g
Charge Current:	10A	Maximum Continuous Charge Current:	20A	End Charge Current:	1A
Cut-off Voltage:	10V	Maximum Continuous Discharge Current:	20A	Limited Charge Voltage:	14.6V
Cells Number:	20	Cell Model	ITR26/70-40E	Cell Rated Capacity:	4Ah

Environmental Conditions:

Temperature: 20(±5)°C R.H.: (25~75)%RH

Results:

	ITEM	SAMPLE NUMBER	STANDARD	CONCLUSION
T.1	Altitude Simulation	B1-B4, B5-B8	ST/SG/AC.10/11/Rev.7/ Amend1	The sample has passed the items of UN 'Manual of Tests and Criteria' ST/SG/AC.10/11/Rev.7/Amend1/ Subsection 38.3
T.2	Thermal Test			
T.3	Vibration			
T.4	Shock			
T.5	External Short Circuit			
T.6	Impact	C1-C5, C6-C10		
T.7	Overcharge	B9-B12, B13-B16		
T.8	Forced Discharge	C11-C20, C21-C30		

Manufacturer:

Strident Innovations, 50 Turbine Way, Swaffham, Norfolk, PE37 7XD

+44 (0)1362 300102 | sales@strident.uk.com | www.strident.uk.com

Andrew Birt—Head of Operations

Testing Facility:

Anbotek

1/F, Building D, Sogood Science and Technology Park, Sanwei Community, Hang cheng Street, Bao'an District, Guangdong, China.

+86-755-26053656 | service.45@anbotek.com | www.anbotek.com.cn