

#### TEST REPORT

### ST/SG/AC.10/1/Rev.19 ANNEX Part 3.3

# Recommendations on the

## TRANSPORT OF DANGEROUS GOODS

### Model Regulations

ANNEX: MODEL REGULATIONS ON THE TRANSPORT OF DANGEROUS GOODS Part 3: Dangerous Goods List and limited quantities exceptions

Report reference No. ..... STR18019064S

Tested by (name+ signature) ....

Approved by (+ signature) ..... Davis Yang

Date of issue ..... Feb: 02, 2018

Testing laboratory ...... Shenzhen SEM.Test Technology Co., Ltd.

Address ...... 1/F, Building A, Hongwei Industrial Park, Liuxian 2<sup>nd</sup> Road, Bao'an

District, Shenzhen, P.R.C (518101)

Testing location ..... : As above

Applicant ...... Future Green Technology Co.,Ltd.

Address ..... Building B,Shangsheng Industry Park,Baiyun District,Guangzhou,China.

Manufacturer ..... Future Green Technology Co.,Ltd.

Address ...... Building B,Shangsheng Industry Park,Baiyun

District, Guangzhou, China.

Standard..... ST/SG/AC.10/1/Rev.19 ANNEX Part 3.3

Test procedure ...... Type approved

Procedure deviation ...... N.A.

Non-standard test method .....: N.A.

This test report is specially limited to the above client company and product model only, it may not be duplicated without prior written consent of SEM. Test.

Product Name ...... Lead acid battery

Trademark .....: FGET

Model/type reference ...... 12V7Ah

Ratings..... 12V, 84Wh(7000mAh)







Particulars: test item vs. test requirements				
Shape	⊠Prismatic			
	Pouch			
	☐Coin/button			
	☐ Cylindrical			
Dimension	L: 151.6mm			
	W: 107.3mm			
	T : 66.2mm			
Mass of apparatus	1965g			
Possible test case verdicts:				
- test case does not apply to the test object:	N(.A.)			
- test object does meet the requirement:	P(ass)			
- test object does not meet the requirement:	F(ail)			
Testing:				
Date of receipt of test item:	Jan. 17, 2018			
Date(s) of performance of test	Jan. 17, 2018 - Jan. 31, 2018			
Tests Performed (name of test and test clause):	Testing Location:			
	Shenzhen SEM.Test Technology Co., Ltd.			
Test items:	1/F, Building A, Hongwei Industrial Park, Liuxian			
3.3.1.238(a) Vibration test	2 <sup>nd</sup> Road, Bao'an District, Shenzhen, P.R.C (518101)			
Pressure differential test	(6.6.6.1)			
3.3.1.238(b) 55 °Cleakage test				
The samples comply with the requirement of ST/SG/AC.10/1/Rev.19 ANNEX Part 3.3				
Test Conclusion:				

The Sealed Lead Acid Battery submitted by Future Green Technology Co.,Ltd. is tested according to ANNEX Part 3.3 of Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations (ST/SG/AC.10/1/Rev.19).

Test Result: Pass.





Report No.: STR18019064S

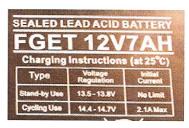
		ST/SG/AC.10/1/Re	ev.19 ANNEX Pa	rt 3.3		
Clause	Require	ment – Test			Remark	Verdic
3.3.1.238(a)	and pres leakage	s can be considered as non-spillable provided y are capable of withstanding the vibretion ssure differential tests given below, without of battery fluid.				Р
	Non-spillable type batteries which are an integral part of and necessary for thr operation of mechanical or electronic equipment, shall be securely fastened in the battery holder on the equipment and protected in such a manner sa to revent damage and short ciruits.				,	Р
		Vibration test:				
	The Battery is rigidly clamped to the platform of a vibration machine.					Р
	(1.6 mm	harmonic having an amplitude of 0.8mm maximum total excursion) is applied.				Р
	The frequency is varied at the rate of 1 Hz/min between the limits of 10 Hz and 55 Hz.  The entire range of frequencies and return is traversed in 95 ± 5 minutes for each mounting position (direction of vibrations) of the battery.  The battery is tested in three mutually perpendicular positions (to include testing with fill openings and vents, if any, in an inverted position) for equal time periods.					Р
						Р
						Р
	Requirem	ent		No leaka	ge.	P
Sample	No.	1#	2#		3#	
Result		No leakage	No leaka			age
	Pressure	differential test:				Р
	The battery is stored for six hours at 24°C± 4°C while subjected to a pressure differential of at least 88 kPa.					P
	positions vents, if a	ry is tested in three mutually (to include testing with fill op ny, in an inverted position) fo ach postion.	enings and			Р
	Requirem	rement			No leakage.	
Sample No.		1#	2#		3#	P
Resu		No leakage No leaka				ae
(-)	Regulation					P
at a temperature of 55℃, the electrolyte wi from a ruptured or cracked case and there liquid to flow;			nere is no free			Р
	wnen pack protected	caged for transport, the termi from short circuit.	inals are			Р
Sample No.		1#	2#		3#	
Result		No free liquid to flow	No free liquid to flow		No free liquid to flow	



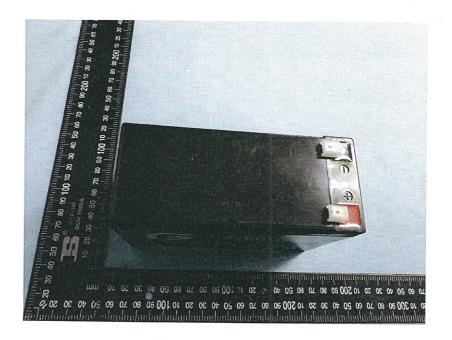
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# **Photos**

Model: 12V7Ah







\*\*\* End of Report \*\*\*



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