

Annex B (normative)

Supplier statement of product range test results

1) General product type information					
Product manufacturer		LEOCH BATTERY			
Manufacturing site of tested product		ANHUI LEOCH POWER SUPPLY CORP.			
Product name		VRLA AGM battery			
Product model range		LPL12-120			
Product comprising the above model range					
Product tested					
2) Product test performance information					
Product safe operation in service		IEC 60896-21 test clause result			
6.1	Gas emission (at the float voltage and at 2,40 Vpc)	U _{fl0} : 0.0016 ml/(Ah·h·cell)		U _{2.40} :0.022 ml/(Ah·h·cell)	
6.2	High current tolerance	It has no any damage.			
6.3	Short circuit and d.c. internal resistance	I _{sc} :2820A R _i :4.04mΩ			
6.4	Internal ignition from external spark sources	No explosion or rapid combustion			
6.5	Protection against ground short propensity	No evidence of ground short, no leakage			
6.6	Content and durability of required markings	Information remain readable after test		content meet requirement	
6.7	Material identification	Case : ABS		Cover : ABS	
6.8	Valve operation	Before: passed		After: passed	
6.9	Flammability rating of materials	Case: UL94 V_0		Cover: UL94 V_0	
6.10	Intercell connector performance	Maximum temperature:46°C			
Product performance in service		IEC 60896-21 test clause result			
6.11	Discharge capacity	C ₁₀ :126.9Ah	C ₈ : 118.3Ah	C ₃ :90.9Ah	C _f :67.8Ah C _{0.25} :52.7Ah
6.12	Charge retention during storage	C _{rt} =84.2%			
6.13	Float service with daily discharges	Cycles: 327		C _{af} : 81.7% C _{ab} : 83.9%	
6.14	Recharge behaviour	24 h: R _{bf} =96.7% Ca			168 h: R _{bf} =99.1% Ca
Product durability in service		IEC 60896-21 test clause result			
6.15	Float service life at 40 °C	773 Days with C ₃ rate test at 40 °C			
6.16	Impact of stress temperature of 55 °C or 60 °C	376 Days with C ₃ rate test at 55 °C			
6.17	Abusive over-discharge	C _{aod} =0.87C _{rt} (3h rate)			C _{aoc} =0.92C _{rt} (3h rate)
6.18	Thermal runaway sensitivity	168h 46°C at 2.45Vpc			67h 60°C at 2.60Vpc
6.19	Low temperature sensitivity	C _{als} =97.7%			No mechanical damages
6.20	Dimensional stability at elevated internal pressure and temperature	Change in: Length: 0.47% Width: 0.5% Height: 0.62%			
6.21	Stability against mechanical abuse of units during installation	No leakage			
Company name: ANHUI LEOCH POWER SUPPLY CORP. Company officer: Address/phone/fax/e-mail: Signature/date/place: Jan, 14, 2018. Document established as reply for RFI:					

NOTE The data in above Product Range Test Result Supplier Statement must comply with the test methods and degree of detail specified in the requirements 6.1 to 6.21 of the IEC 60896-21 and IEC 60896-22.