

RFB 3097-2025_SITA CENTURION UPS BATTERY DATA SHEET Rev 1.0



Project: RFB 3097-2025
 Specification: UPS BATTERIES
 Date: 2025/30/31

Note (1): The bidder only populate the section (Section 2 or 3) for offered battery technology solution not both sections

Note (2): Bidder must complete/enter YELLOW cells only

Item	Description	Units	Required
	UPS Unit Manufacture		VERTIV
	Model		EXL S1
	Nominal Size		500kW
	Mode of Operation		Standalone (Single Unit)
1	GENERAL INFORMATION		
1.1	Nominal Battery Voltage	V	12v (2 v/cell)
1.2	Equalizing/Boost Charge Voltage	V	14.4v (2.4 v/cell)
1.3	Compatability with Vertiv EXL S1 UPS (Confirmed)		Yes
1.4	DC Breakers (BCB)		OEM Specified
1.5	Battery Monitoring System (Voltage, Current, Impedance, Temperature system and Battery Balancer per battery)		Included
1.6	Battery Monitoring System Communication Protocol		Ethernet/IP, PROFINET & Modbus TCP/SNMP
1.7	Runtime @ End of Life Factor at Full load with 10% allowable Overload @ 550kW		≥ 30 Minutes
1.8	Temperature compensated battery charging built into cabinet		Yes
1.9	Operating Temperature	°C	25 °C
1.10	Product Warranty	Years	≥ 5 Years
1.11	Performance Guarantee	Years	≥ 10 Years
1.12	Compliant		UL 9540A UL 1642 UL 1973
Item	Description	Units	Required
2	STRING RATINGS: THIN PLATE PURE LEAD (TPPL)		
2.1	Cell type		Thin Plate Pure Lead (TPPL)
2.2	Cells per String (Batteries per String)	Each	288 (48)
2.3	Minimum Cell Voltage (Minimum Battery Voltage)	v/cell	1.85 v/Cell (11.10V)
2.4	Max Boost Charge Voltage (Maximum Charge Voltage)	v/cell	2.4 v/cell (14.4V)
2.5	Battery Connection		Front End Terminal Connection
2.6	String Fire Protection System Included		Yes
2.7	Compatability with Vertiv EXL S1 UPS (Confirmed)		Yes
2.8	Manufacturer and Battery Name		
2.9	Manufacturer Battery Type		
2.10	Manufacturers Recommended Operating Temperature Range With No De-rating	°C	
2.11	String Minimum Voltage	V	
2.12	String Maximum Voltage	V	
2.13	Recharge Rate	A	
2.14	String Capacity	Ah	
2.15	String Energy	kWh	
2.16	Battery Stand Size (L,W,B) per String	mm	
2.18	Number of Strings per UPS unit	Number	
2.19	Block Capacity (Combined Total Strings per UPS Unit)	Ah	
2.20	Block Energy (Combined Total Strings per UPS Unit)	kWh	
2.21	Offered Solution Battery Runtime @ End of Life Factor	minutes	

Item	Description	Units	Required
3	CABINET RATINGS: LITHIUM-ION ((LiFePO4)		
3.1	Cell type		Lithium Ion Phosphate (LiFePO4)
3.2	Cabinet Fire Protection System Included		Yes
3.3	Compatability with Vertiv EXL S1 UPS (Confirmed)		Yes
3.4	Manufacturer		
3.5	Manufacturers Recommended Operating Temperature Range With No De-rating	°C	
3.6	Cabinet Capacity	Ah	
3.7	Cabinet Energy	kWh	
3.8	Cells per Cabinet (Batteries per Cabinet)	Each	
3.9	Minimum Cell Voltage	v/cell	
3.10	Max Cell Voltage	v/cell	
3.11	String Voltage Range	V	
3.12	Recharge Rate	A	
3.13	Cabinet Size (L,W,B)	mm	
3.14	Number of Cabinets per UPS	Number	
3.15	IP Rating of cabinet	IP	
3.16	Block Capacity (Combined Total Cabinets per UPS Unit)	Ah	
3.17	Block Energy (Combined Total Cabinets per UPS Unit)	kWh	
3.18	Offered Solution Battery Runtime @ End of Life Factor	minutes	
<p>I, the bidder, confirm that the details provided in this data sheet are true and accurate. I further accept that all goods and/or works will be delivered as specified herein. [Note: First convert to PDF, then add signature]</p>			
		Bidder's Name	
		Signature (above)	