



VRLA BATTERY FOR ENERGY STORAGE

RZE6-7S1

RZE6K#4RZE6-7S1 VRLA battery uses AGM technology and high-purity raw materials. It is good floating back up and large current discharge performance makes it optimal and economical choice for UPS/EPS.8VH

Main Applications

- ▶ UPS units
- ▶ Emergency power
- ▶ Starting generators
- ▶ EPS units

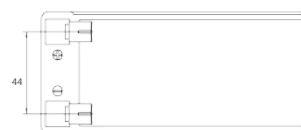
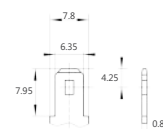
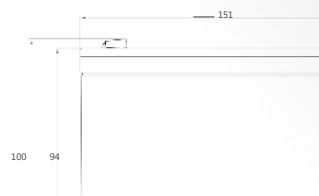
Benefits

- ▶ Standard Commercial according to EUROBAT Classification
- ▶ Maximum charge efficiency
- ▶ High gas recombination efficiency Low self-discharge rate Easy
- ▶ installation and handling Vertical or horizontal installation

Standards

- ▶ IEC 60896-21/22 JIS
- ▶ C8704-1/2
- ▶ EUROBAT guide

Dimensions



Technical Parameters

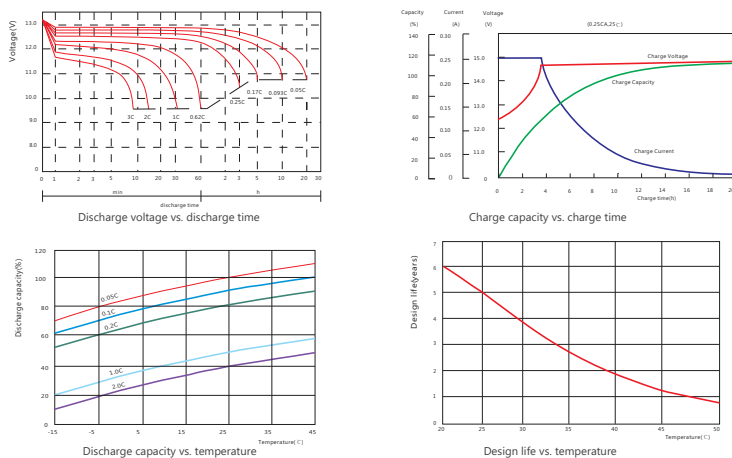
Battery Model		RZE6-7S1			
Design Life (years, 25°C)		5			
Capacity (Ah, 25°C)	20HR (0.35A, 1.75V)	10HR (0.65A, 1.75V)	5HR (1.27A, 1.75V)	1HR(4.534A, 1.70V)	
	7	6.5	6.35	4.534	
Dimensions (mm)	Length	Width	Height	Total Height	
	151	65	94	100	
Approx. Weight (kg)		2.12			
Reference Internal Resistance (mΩ)		29 (full charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)		105			
Self-Discharge (25°C)		≤ 3 % per month			
Charge Voltage (V/cell, 25°C)	Cycle use			Float use	
	2.45 (-3.5mV/°C/cell), max charge current: 2.1A			2.27 (-3.5mV/°C/cell)	
Short Circuit Current (A)		190			

Discharge Data

Constant Current Discharge Data (25°C, A)												
End Voltage (V/cell)	min					h						
	10	15	20	30	45	1	1.5	2	3	5	10	20
1.60	18.94	13.61	11.13	7.887	5.788	4.636	3.349	2.700	2.000	1.298	0.659	0.354
1.65	18.43	13.36	11.02	7.812	5.727	4.592	3.307	2.668	1.975	1.291	0.657	0.353
1.67	18.17	13.19	10.92	7.752	5.672	4.561	3.284	2.653	1.967	1.285	0.656	0.353
1.70	17.93	13.03	10.80	7.692	5.633	4.534	3.265	2.640	1.957	1.281	0.655	0.352
1.75	17.22	12.60	10.50	7.490	5.507	4.445	3.220	2.606	1.938	1.270	0.650	0.350
1.80	15.50	11.72	9.940	7.190	5.325	4.343	3.165	2.569	1.915	1.256	0.644	0.348

Constant Power Discharge Data (25°C, W/cell)												
End Voltage (V/cell)	min					h						
	10	15	20	30	45	1	1.5	2	3	5	10	20
1.60	36.11	26.26	21.57	15.34	11.30	9.091	6.592	5.335	3.964	2.581	1.313	0.708
1.65	35.20	25.83	21.42	15.23	11.21	9.023	6.522	5.282	3.920	2.572	1.311	0.708
1.67	34.77	25.56	21.25	15.13	11.11	8.977	6.487	5.257	3.909	2.562	1.310	0.708
1.70	34.36	25.28	21.05	15.04	11.06	8.936	6.460	5.240	3.897	2.558	1.309	0.707
1.75	33.11	24.49	20.50	14.67	10.83	8.779	6.387	5.183	3.866	2.541	1.302	0.703
1.80	29.92	22.84	19.46	14.13	10.51	8.604	6.293	5.123	3.826	2.518	1.293	0.700

Performance Curve



Declaration: This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Contact Rizon Technologies for the latest information

Products specifications described herein are subject to change without prior notification.