



VRLA BATTERY FOR ENERGY STORAGE

RZE6-9S1

RZE6-9S1 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.

Main Applications

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

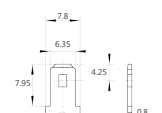
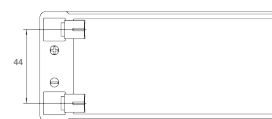
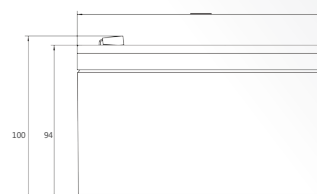
Benefits

- ▶ 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		RZE6-9S1			
Design Life (years, 25°C)	5				
Capacity (Ah, 25°C)	20HR (0.45A, 1.75V)	10HR (0.82A, 1.75V)	5HR (1.44A, 1.75V)	1HR(5.314A, 1.70V)	
	9	8.2	7.2	5.314	
Dimensions (mm)	Length	Width	Height	Total Height	
	151	65	94	100	
Approx. Weight (kg)	2.70				
Reference Internal Resistance (mΩ)	14.5 (full charged @ 25°C)				
Maximum Discharge Current (A/5 Sec.)	135				
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: 2.7 A			2.27 (-3.5mV/°C/cell)	
Short Circuit Current (A)	230				

Discharge Data

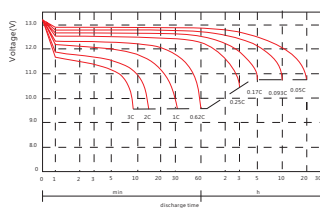
Constant Current Discharge Data (25°C, A)

End Voltage (V/cell)	min					h						
	10	15	20	30	45	1	1.5	2	3	5	10	20
1.60	25.22	17.33	13.44	9.722	6.765	5.444	3.883	3.108	2.303	1.471	0.840	0.458
1.65	24.59	16.96	13.19	9.558	6.656	5.372	3.834	3.072	2.274	1.464	0.835	0.456
1.67	24.41	16.84	13.12	9.503	6.605	5.346	3.812	3.057	2.265	1.460	0.830	0.454
1.70	24.23	16.73	13.00	9.430	6.573	5.314	3.797	3.042	2.254	1.453	0.825	0.452
1.75	22.56	15.84	12.48	9.120	6.400	5.200	3.733	3.000	2.232	1.440	0.820	0.450
1.80	20.64	14.78	11.82	8.755	6.189	5.080	3.670	2.958	2.205	1.424	0.810	0.445

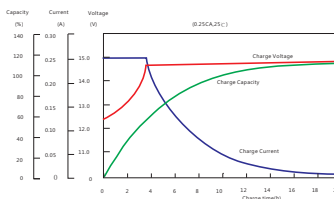
Constant Power Discharge Data (25°C, W/cell)

End Voltage (V/cell)	min					h						
	10	15	20	30	45	1	1.5	2	3	5	10	20
1.60	47.45	32.97	25.83	18.83	13.19	10.676	7.643	6.142	4.566	2.926	1.674	0.916
1.65	46.43	32.38	25.42	18.55	13.01	10.564	7.571	6.086	4.518	2.917	1.668	0.913
1.67	46.26	32.21	25.32	18.48	12.94	10.52	7.536	6.063	4.506	2.912	1.659	0.909
1.70	46.02	32.05	25.13	18.37	12.90	10.476	7.514	6.038	4.488	2.901	1.651	0.906
1.75	43.01	30.45	24.20	17.81	12.59	10.270	7.405	5.967	4.452	2.881	1.644	0.904
1.80	39.53	28.55	22.99	17.15	12.197	10.065	7.296	5.898	4.406	2.855	1.627	0.895

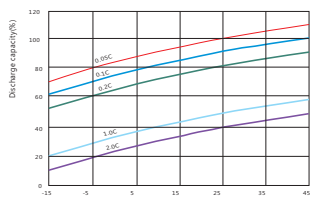
Performance Curve



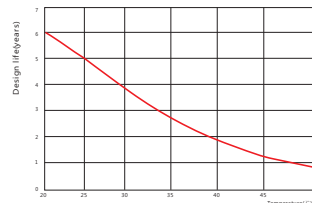
Discharge voltage vs. discharge time



Charge capacity vs. charge time



Discharge capacity vs. temperature



Design life vs. temperature

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