



VRLA BATTERY FOR ENERGY STORAGE

RZE6-200S1

RZE6-200S1 VRLA battery uses AGM and GEL hybrid technology, it has good deep cycle and large current discharge performance. As the economy-type solar battery, it can be widely used in renewable energy, electrical vehicle etc.

Main Applications

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

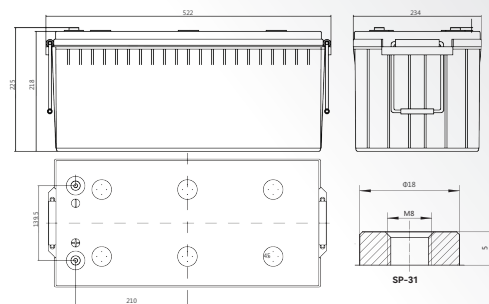
Benefits

- ▶ Long life 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

Drawing



Technical Parameters

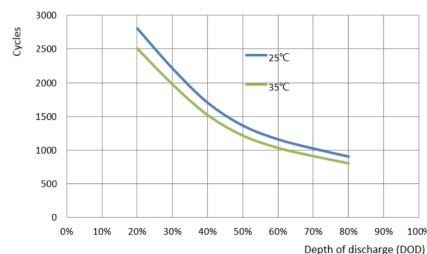
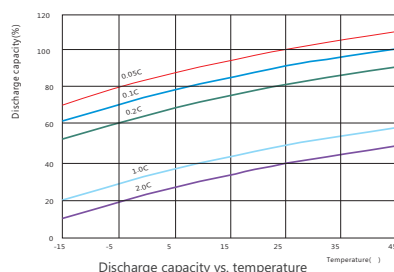
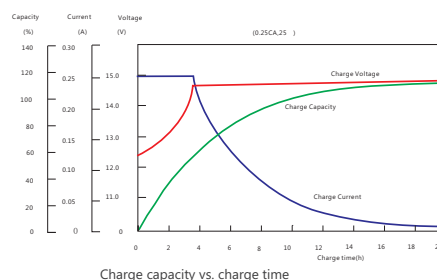
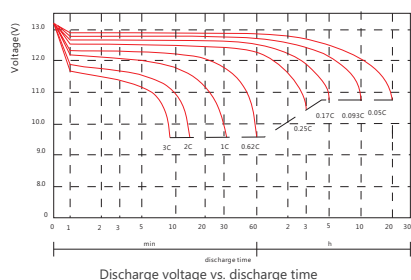
Battery Model		RZE6-200S1			
Design Life (years, 25°C)	10				
Capacity (Ah, 25°C)	20HR (10.26A, 1.75V)	10HR (20.0A, 1.75V)	5HR (37.95A, 1.75V)	3HR(58.12A, 1.75V)	
	205.2	200	189	174	
Dimensions (mm)	Length	Width	Height	Total Height	
	522	234	218	225	
Approx. Weight (kg)	63.5				
Reference Internal Resistance (mΩ)	3.0 (fully charged @ 25°C)				
Maximum Discharge Current (A/10 Sec.)	1530				
Self-Discharge (25°C)	≤ 3 % per month				
Charge Voltage (V/cell, 25°C)	Cycle use			Float use	
	2.45 (-3.0mV/°C/cell), max charge current: 25A			2.35 (-3.0mV/°C/cell)	
Short Circuit Current (A)	2850				

Discharge Data

Constant Current Discharge Data (25°C, A)											
End Voltage (V/cell)	min				h						
	10	20	30	45	1	1.5	2	3	5	10	20
1.60	460.6	301.2	219.5	161.2	128.1	96.07	80.87	58.94	38.40	20.20	10.35
1.65	452.7	297.2	217.5	160.1	127.3	95.49	80.44	58.71	38.23	20.13	10.32
1.70	444.9	293.2	215.4	159.0	126.4	94.96	80.03	58.42	38.08	20.05	10.28
1.75	435.9	288.2	212.3	156.9	125.1	94.16	79.48	58.12	37.95	20.00	10.26

Constant Power Discharge Data (25°C, W/cell)											
End Voltage (V/cell)	min				h						
	10	20	30	45	1	1.5	2	3	5	10	20
1.60	799.4	544.7	405.4	302.2	243.4	185.1	157.2	115.5	75.76	39.97	20.51
1.65	794.8	544.2	404.3	301.5	242.3	184.4	156.7	115.3	75.62	39.92	20.48
1.70	790.1	542.4	402.9	300.9	241.9	183.9	156.5	115.2	75.45	39.87	20.46
1.75	784.6	538.7	400.7	299.5	240.8	183.1	156.2	115.0	75.37	39.82	20.45

Performance Curve



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