



VRLA BATTERY FOR ENERGY STORAGE

RZE6-150SG1

SG1 series battery uses AGM and Gel mixed technology. Its Deep Cycle, has good cycle life and large current discharge performance. It is a cost effective product and can be widely used in different photovoltaic, lighting, power supply and control systems.

Main Applications

- ▶ Solar energy system
- ▶ Solar communication/Station
- ▶ Mobile storage Systems
- ▶ UPS Systems/ EPS Units

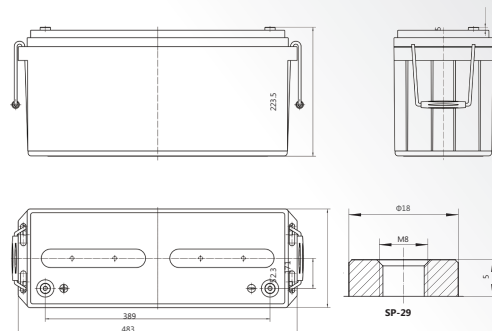
Benefits

- ▶ General Purpose according to EUROBAT Classification
- ▶ Special AGM separator, adding Gel electrolyte, shallow cycle life is long
- ▶ Maximum charge efficiency
- ▶ High gas recombination efficiency
- ▶ Low self-discharge rate
- ▶ Horizontal or Vertical installation
- ▶ Easy installation and handling

Standards

- ▶ IEC 60896-21/22
- ▶ DIN 43539-T5
- ▶ EUROBAT guide

Drawing



Technical Parameters

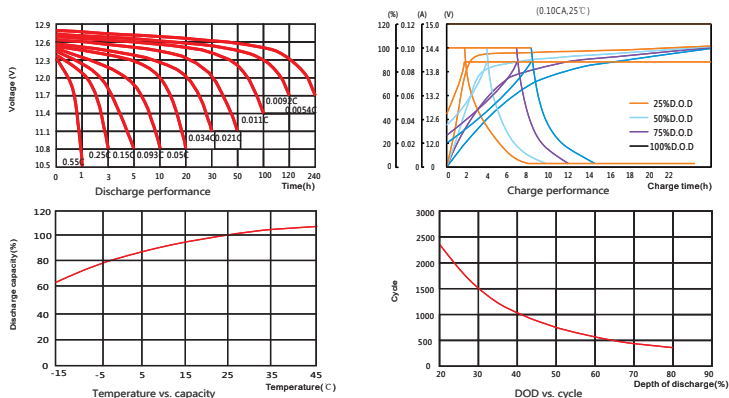
Battery Model		RZE6-150SG1			
Design Life (years, 25°C)	10				
Capacity (Ah, 25°C)	10HR (15A, 1.80V)	5HR (24A, 1.80V)	3HR (36.75A, 1.80V)	1HR(81.3A, 1.75V)	
	150	124.5	110.25	81.3	
Dimensions (mm)	Length	Width	Height	Total Height	
	483	171	218.5	223.5	
Approx. Weight (kg)	41.5				
Reference Internal Resistance (m ⁻)	3.6(full charged @ 25°C)				
Maximum Discharge Current (A/5 Sec.)	1200				
Self-Discharge (25°C)	≤1.5 % 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)	3300				

Discharge Data

Constant Current Discharge Data (25°C,									
End Voltage (V/cell)	min				hour				
	10	20	30	45	1	3	5	10	20
1.70	202	144	125	93.0	83.55	38.70	26.18	15.35	7.850
1.75	196	140	122	90.4	81.30	37.95	25.65	15.20	7.725
1.80	190	136	118	87.7	78.75	36.75	24.90	15.00	7.600
1.85	183	130	114	84.3	75.75	35.40	24.00	14.70	7.450
1.90	174	124	108	80.0	72.00	33.75	22.95	14.30	7.250

Constant Power Discharge Data (25°C,									
End Voltage (V/cell)	min				hour				
	10	20	30	45	1	3	5	10	20
1.70	362	258	225	167	150.5	63.20	45.50	28.30	14.70
1.75	353	250	218	162	145.50	62.10	44.40	28.00	14.45
1.80	343	245	213	158	141.50	61.10	43.20	27.70	14.20
1.85	330	236	206	152	137.00	60.30	42.20	27.10	13.90
1.90	320	228	200	148	133.20	59.40	41.00	26.70	13.70

Performance Curve



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