

SAJ Series

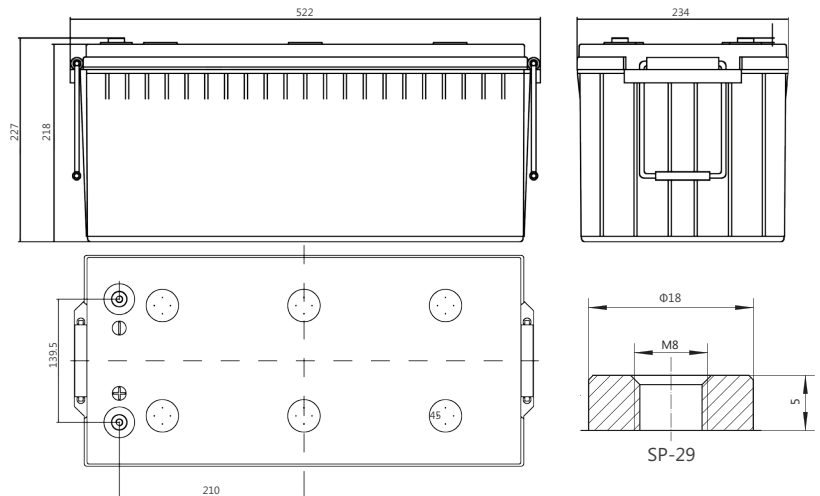
SAJ12-200 12V200Ah

SAJ series battery uses AGM and gel mixed technology. It 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..

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 installization
- Easy installation and handling

Drawing



Applications

- Solar (Wind) energy system
- Solar communication/station
- Mobile storage system

Standards

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

Specifications

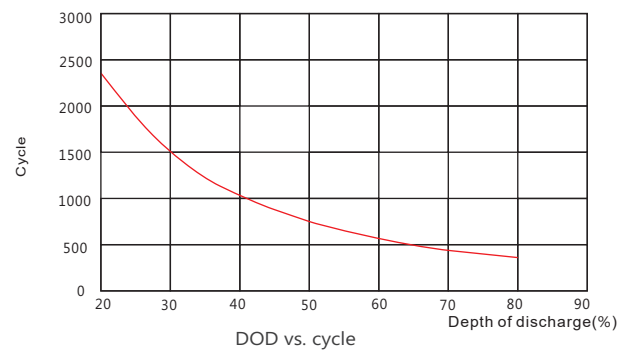
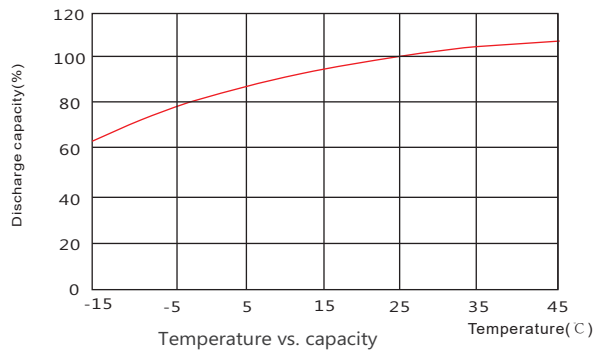
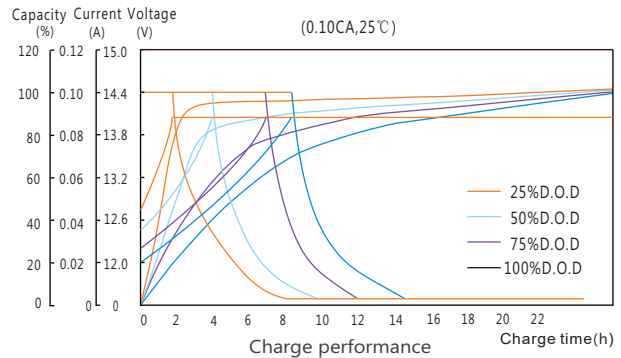
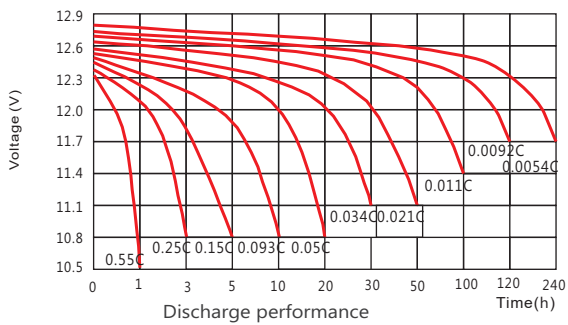
Battery Model	SAJ12-200			
Design Life (years, 25°C)	10			
Capacity (Ah, 25°C)	10HR (20.0A, 1.80V)	5HR (33.7A, 1.80V)	3HR (49A, 1.80V)	1HR (108.4A, 1.75V)
	200	168.5	147	108.4
Dimensions (mm)	Length	Width	Height	Total Height
	522	234	218	227
Approx. Weight (kg)	57.8			
Reference Internal Resistance (mΩ)	3.1±15% (full charged @ 25°C, testing device:HIOKI BT3562)			
Maximum Discharge Current (A/5 Sec.)	1400			
Self-Discharge (25°C)	≤ 1.5% per months			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.40(-3.5mV/°C/cell), max charge current: 40A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	3850			

Discharge Data

Constant Current Discharge Data (25°C, A)									
End Voltage (V/cell)	h								
	1	3	5	10	20	50	100	120	240
1.70	111.40	51.60	35.40	20.25	10.60	4.440	2.320	1.960	1.040
1.75	108.40	50.60	34.70	20.15	10.40	4.360	2.280	1.932	1.020
1.80	105.00	49.00	33.70	20.00	10.20	4.260	2.240	1.900	1.000
1.85	101.00	47.20	32.50	19.60	9.900	4.140	2.180	1.852	0.980
1.90	96.00	45.00	31.10	19.00	9.650	4.000	2.120	1.800	0.960

Constant Power Discharge Data (25°C, W/cell)									
End Voltage (V/cell)	h								
	1	3	5	10	20	50	100	120	240
1.70	201.0	86.80	60.50	37.50	19.60	9.800	5.020	4.200	2.150
1.75	194.50	83.20	59.00	37.20	19.40	9.750	4.930	4.150	2.100
1.80	189.00	81.60	57.50	36.80	19.20	9.600	4.860	4.100	2.060
1.85	183.00	78.90	56.00	36.20	18.80	9.500	4.810	4.050	2.040
1.90	177.50	76.45	54.50	35.50	18.50	9.300	4.730	4.020	2.020

Performance Curve



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