

SPG Series

SPG12-390W 12V100Ah

SPG series VRLA battery uses AGM technology and high-purity raw materials. It has good high power discharge, floating backup and fast charging performance. It is mainly used in UPS/EPS standby power supply systems. It can backup power in poor operation environment.



Benefits

- Long life according to EUROBAT Classification
- Maximum charge efficiency
- High gas recombination efficiency
- Low self-discharge rate
- Horizontal or vertical installation

Applications

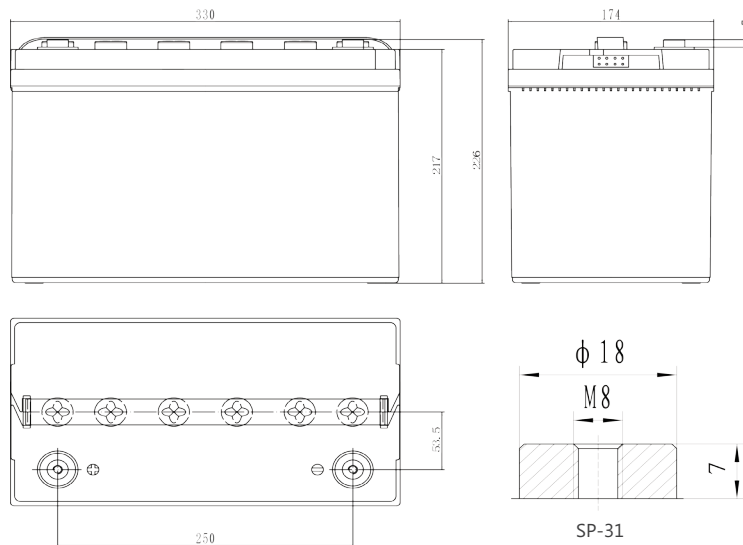
- UPS units
- Data center
- Starting generators
- EPS units

Standards

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

Specifications

Drawing



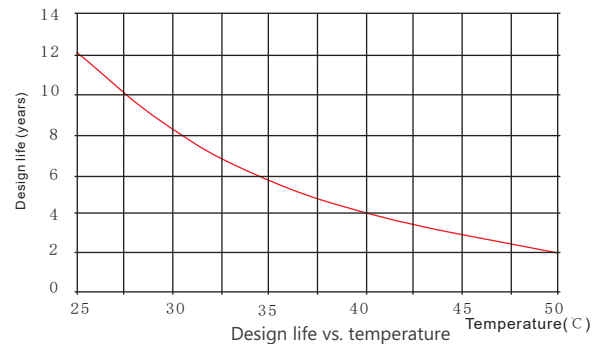
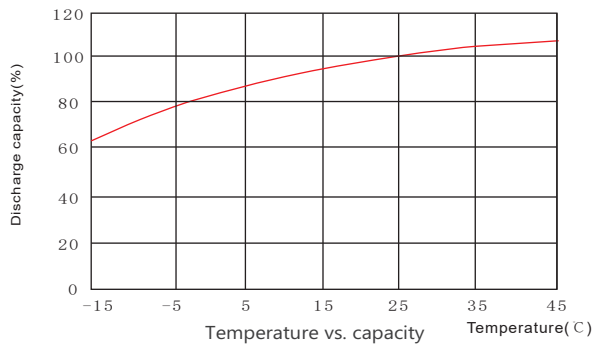
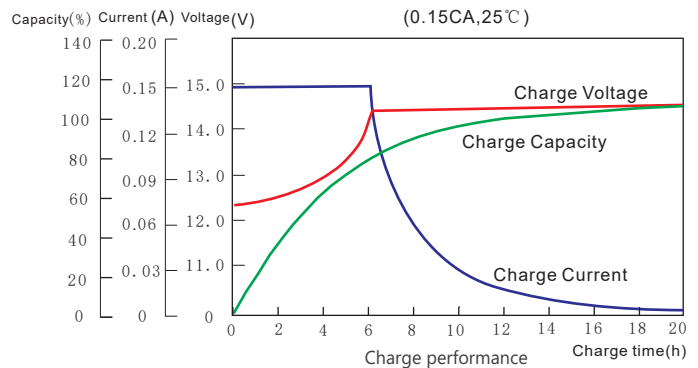
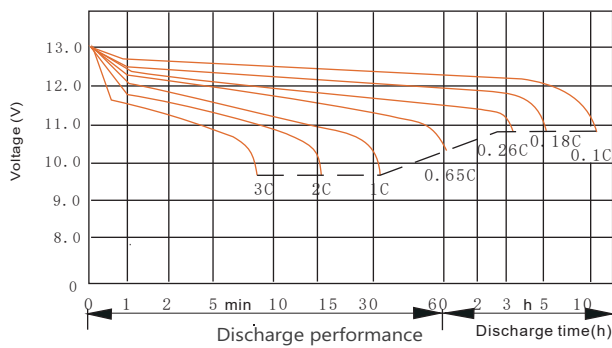
Battery Model	SPG12-390W			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	10min (1.60V)	15min (1.67V)	1HR (60A, 1.75V)	10HR 10A, 1.80V)
	466W/cell	390W/cell	60Ah	100Ah
Dimensions (mm)	Length	Width	Height	Total Height
	330	174	217	226
Approx. Weight (kg)	31.6			
Reference Internal Resistance (mΩ)	3.80 (fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	1200			
Self-Discharge (25°C)	≤ 2% per months			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.40(-3.5mV/°C/cell), max charge current: 30A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	3150			

Discharge Data

Constant Current Discharge Data (25°C, A)													
End Voltage (V/cell)	min						h						
	10	15	20	25	30	45	1	1.5	2	3	5	6	10
1.60	258	213	190	162	128	96.2	70.0	52.4	39.0	29.7	19.3	16.5	11.0
1.65	250	209	181	155	123	93.7	66.3	50.8	38.0	28.8	18.7	16.1	10.7
1.67	247	200	175	150	119	90.4	65.3	50.0	37.2	28.4	18.4	15.9	10.6
1.70	233	187	165	142	114	87.3	62.5	49.0	36.6	27.9	18.1	15.7	10.4
1.75	214	174	153	132	107	82.5	60.0	47.6	35.6	27.1	17.7	15.4	10.2
1.80	198	160	145	125	101	76.3	56.7	45.8	34.4	26.3	17.3	15.0	10.0

Constant Power Discharge Data (25°C, W/cell)													
End Voltage (V/cell)	min						h						
	10	15	20	25	30	45	1	1.5	2	3	5	6	10
1.60	466	395	346	286	242	186	137	104	79.3	56.9	40.3	34.3	22.6
1.65	452	392	335	277	234	181	131	101	76.8	55.1	39.2	33.8	22.4
1.67	447	390	329	271	227	177	129	99	75.1	54.3	38.3	33.3	22.2
1.70	426	385	321	266	221	175	126	97	73.8	53.5	37.7	32.7	21.9
1.75	401	365	308	256	213	170	123	95	72.3	52.0	36.9	32.1	21.6
1.80	375	340	298	247	205	163	118	91.1	69.8	50.2	35.9	31.3	21.2

Performance Curve



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