

SPG Series

SPG12-320W 12V75Ah

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 installization

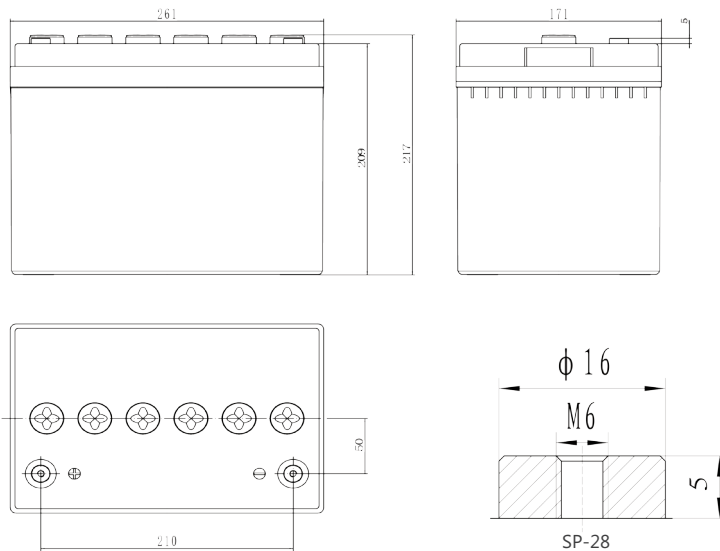
Applications

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

Standards

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

Drawing



Specifications

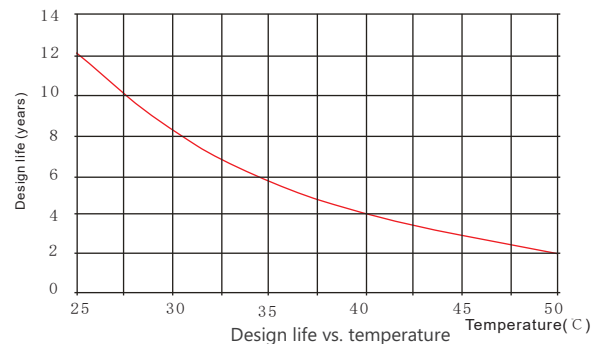
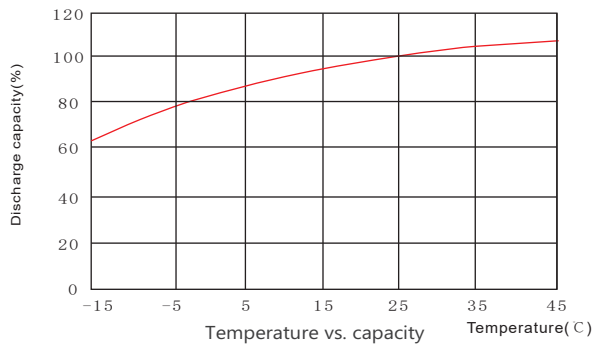
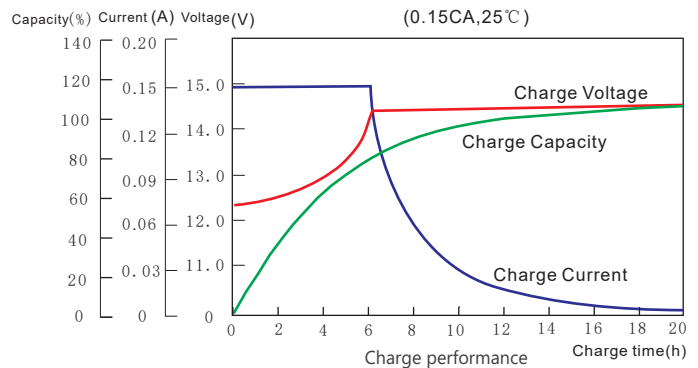
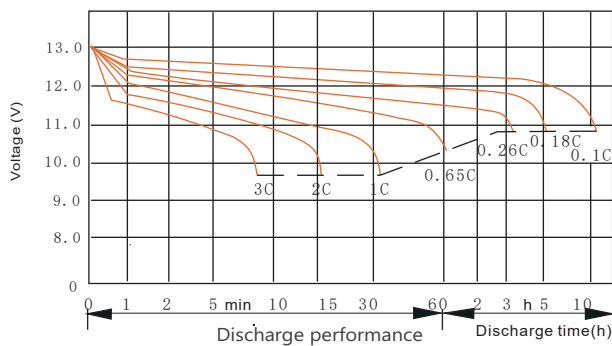
Battery Model	SPG12-320W			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	10min (1.60V)	15min (1.67V)	1HR (52A, 1.70V)	10HR 7.5A, 1.80V)
	412W/cell	320W/cell	52Ah	75Ah
Dimensions (mm)	Length	Width	Height	Total Height
	261	171	209	217
Approx. Weight (kg)	25.5			
Reference Internal Resistance (mΩ)	4.45(fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	900			
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: 22.5A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	2650			

Discharge Data

Constant Current Discharge Data (25°C, A)														
End Voltage (V/cell)	min							h						
	5	10	15	20	25	30	45	1	1.5	2	3	5	6	10
1.60	285	214	171	143	122	104	72.1	57.6	39.3	31.1	22.3	14.5	12.4	8.54
1.65	263	203	165	136	117	100	70.3	55.8	38.1	30.2	21.6	14.0	12.1	8.30
1.67	252	195	158	131	113	96.0	67.8	54.1	37.5	29.7	21.3	13.8	11.9	8.23
1.70	236	184	148	124	107	92.3	65.5	52.0	36.8	29.2	20.9	13.6	11.7	8.07
1.75	225	173	137	115	99.0	86.3	61.9	50.1	35.7	28.4	20.3	13.3	11.5	7.92
1.80	216	159	126	109	94.0	81.8	57.3	47.6	34.4	27.4	19.7	13.0	11.3	7.50

Constant Power Discharge Data (25°C, W/cell)														
End Voltage (V/cell)	min							h						
	5	10	15	20	25	30	45	1	1.5	2	3	5	6	10
1.60	533	412	335	288	238	217	155	122	93.2	71.1	53.1	33.6	28.6	18.9
1.65	519	400	325	279	231	210	151	118	90.7	69.0	51.7	32.7	28.1	18.7
1.67	496	392	320	274	226	204	148	116	88.4	67.3	50.7	31.9	27.7	18.5
1.70	475	383	314	267	221	198	146	114	86.8	66.1	50.0	31.4	27.3	18.3
1.75	460	373	302	257	214	191	142	110	84.7	64.8	48.5	30.7	26.8	18.0
1.80	444	358	290	249	206	183	136	106	81.7	62.6	46.9	29.9	26.1	17.7

Performance Curve



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