

SPG Series

SPG12-770W 12V210Ah

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

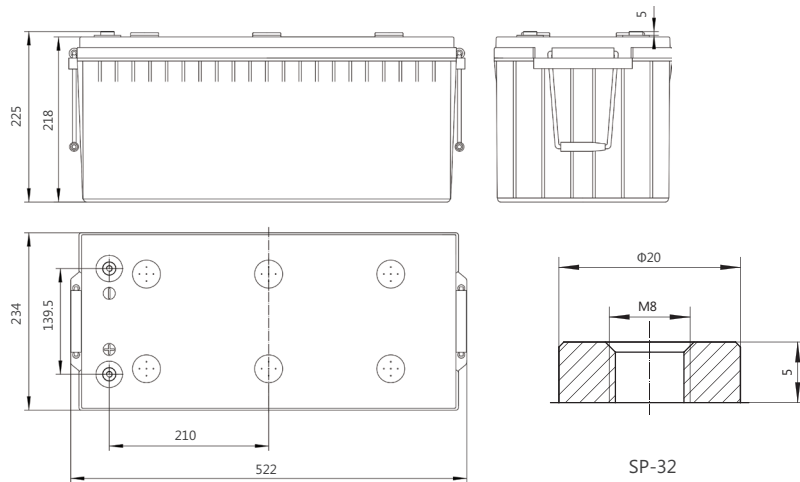
Applications

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

Standards

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

Drawing



Specifications

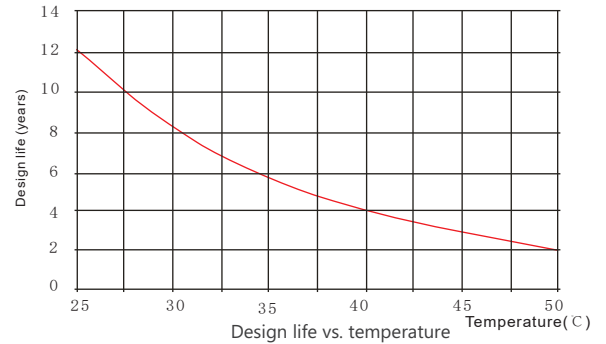
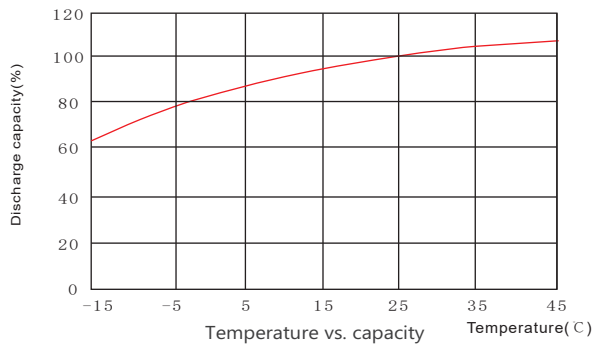
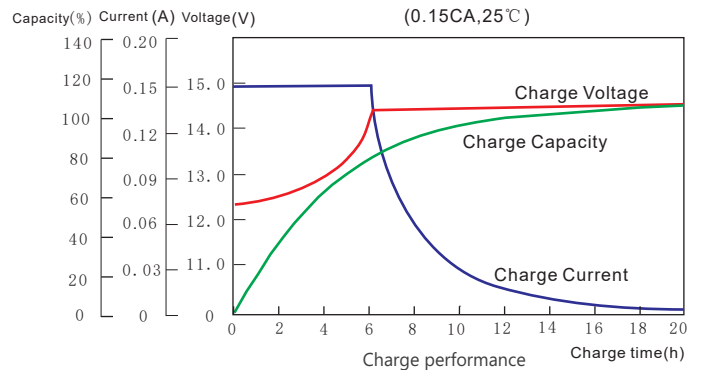
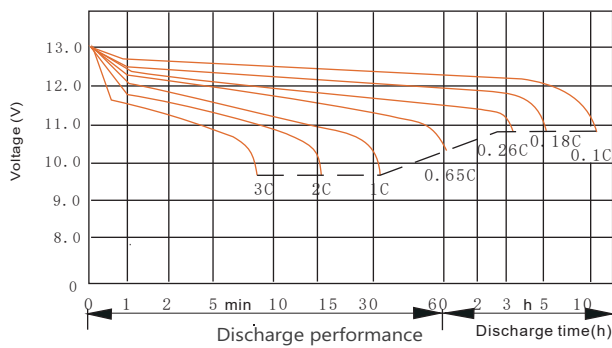
Battery Model	SPG12-770W			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	10min (1.60V)	15min (1.67V)	1HR (126A, 1.75V)	10HR (21A, 1.80V)
	924W/cell	770W/cell	126Ah	210Ah
Dimensions (mm)	Length	Width	Height	Total Height
	522	234	218	225
Approx. Weight (kg)	67			
Reference Internal Resistance (mΩ)	2.10 (fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	2100			
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: 63A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	5700			

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	510	444	383	324	251	198	139	116	86.6	61.6	41.0	35.1	21.8
1.65	489	428	370	314	243	193	135	113	84.7	59.7	40.4	34.6	21.7
1.67	473	415	360	305	237	188	132	111	83.2	58.6	39.9	34.2	21.5
1.70	458	400	349	294	230	184	130	109	82.0	57.4	39.2	34.0	21.4
1.75	431	383	332	281	219	176	126	105	79.8	55.7	39.0	33.5	21.1
1.80	402	360	313	267	208	168	121	102	77.2	53.5	37.9	33.0	21.0

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	924	814	679	573	509	370	297	227	168	119	83.6	71.3	44.1
1.65	885	790	658	562	499	361	289	220	163	117	82.2	69.9	43.1
1.67	853	770	635	551	489	355	283	214	160	114	80.2	69.1	42.8
1.70	821	752	612	531	478	348	277	209	157	112	79.4	67.9	42.4
1.75	787	725	589	514	464	341	269	204	154	110	78.0	66.8	41.6
1.80	750	690	565	495	445	330	258	198	150	108	75.6	64.9	40.3

Performance Curve



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