

SPG Series

SPG12-570W 12V150Ah

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
- Vertical installation

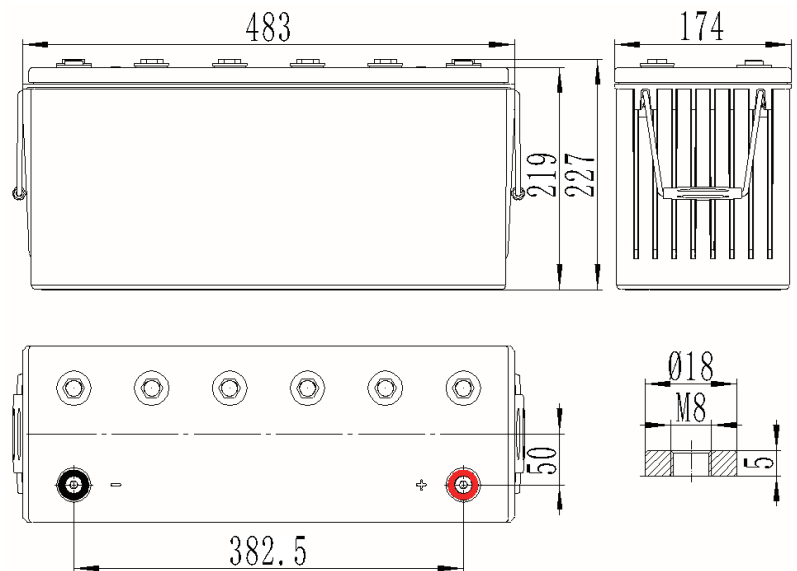
Applications

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

Standards

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

Drawing



Specifications

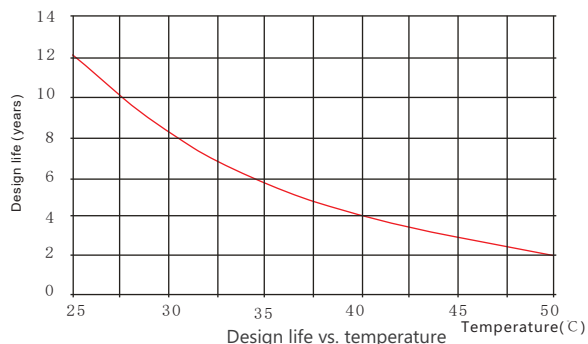
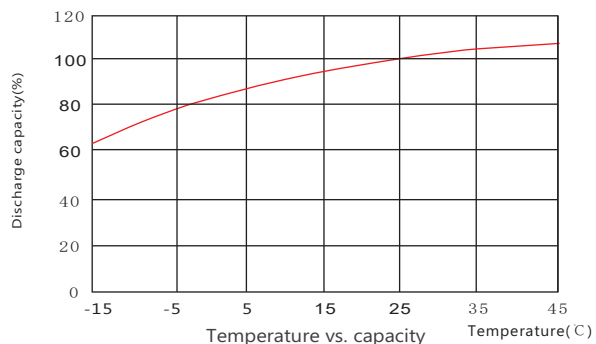
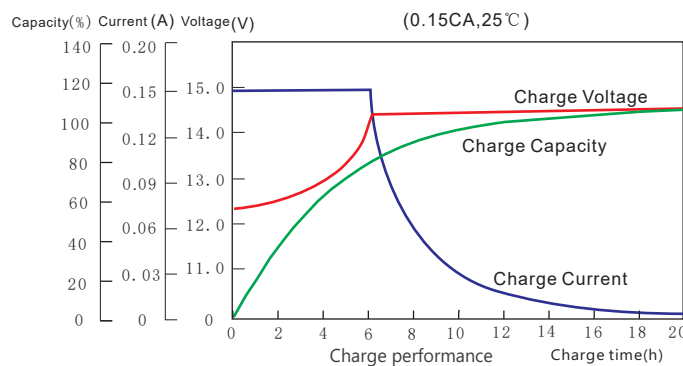
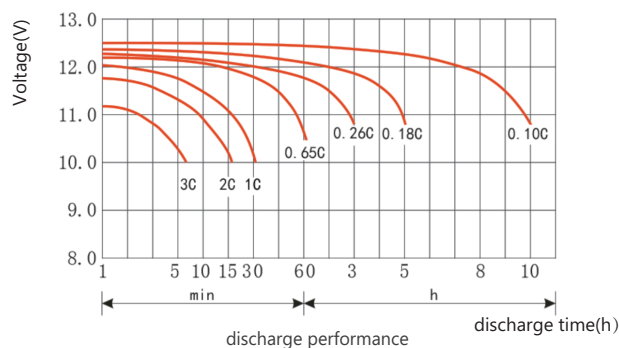
Battery Model	SPG12-570W			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	10min (1.60V)	15min (1.67V)	1HR (87A, 1.75V)	10HR (14.5A, 1.80V)
	656W/cell	570W/cell	87Ah	145Ah
Dimensions (mm)	Length	Width	Height	Total Height
	483	174	219	227
Approx. Weight (kg)	44.7			
Reference Internal Resistance (mΩ)	2.30±15%(full charged @ 25°C,testing device:HIOKIBT3562)			
Self-Discharge (25°C)	≤ 2 % per month			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.40 (-3.5mV/°C/cell), max charge current:43.5A		2.27 (-3.5mV/°C/cell)	
Short Circuit Current (A)	3670(for reference only)			

Discharge Data

Constant Power Discharge Data (25°C, W/cell)																
End Voltage (V/cell)	min								h							
	5	8	10	15	20	25	30	45	1	1.5	2	3	4	5	6	10
1.60	770	706	656	582	480	410	343	248	195	150	114	79.4	67.8	57.8	50.7	31.6
1.65	763	700	645	575	470	394	340	240	193	146	111	76.8	66.7	56.8	49.8	31.0
1.67	756	693	640	570	458	384	335	235	192	142	109	75.4	65.8	55.5	48.7	30.8
1.70	746	686	630	550	442	370	320	230	188	138	108	73.8	65.0	54.8	48.3	30.6
1.75	720	660	610	530	430	356	310	220	180	135	105	72.5	64.2	54.0	47.2	30.0
1.80	590	548	510	460	390	325	280	210	166	130	102	71.2	62.7	52.3	46.0	29.0

Constant Current Discharge Data (25°C, A)																
End Voltage (V/cell)	min								h							
	5	8	10	15	20	25	30	45	1	1.5	2	3	4	5	6	10
1.60	428	390	360	310	250	208	176	126	97.5	76.5	60.5	42.0	34.2	28.4	24.3	15.5
1.65	418	382	350	298	242	200	168	122	94.0	74.2	59.6	40.6	33.7	28.0	24.0	15.4
1.67	412	375	342	290	235	196	165	120	92.5	73.0	58.2	40.0	32.8	27.6	23.7	15.3
1.70	405	368	333	278	228	190	160	116	92.0	71.8	57.4	39.0	32.5	27.2	23.5	15.2
1.75	384	348	314	268	217	180	153	112	87.0	68.6	55.8	38.0	31.8	27.0	23.2	15.1
1.80	310	286	267	240	200	166	146	106	84.0	66.0	54.0	37.5	30.8	26.2	22.8	15.0

Performance Curve



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