

# SPG Series

## SPG12-570W 12V145Ah

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

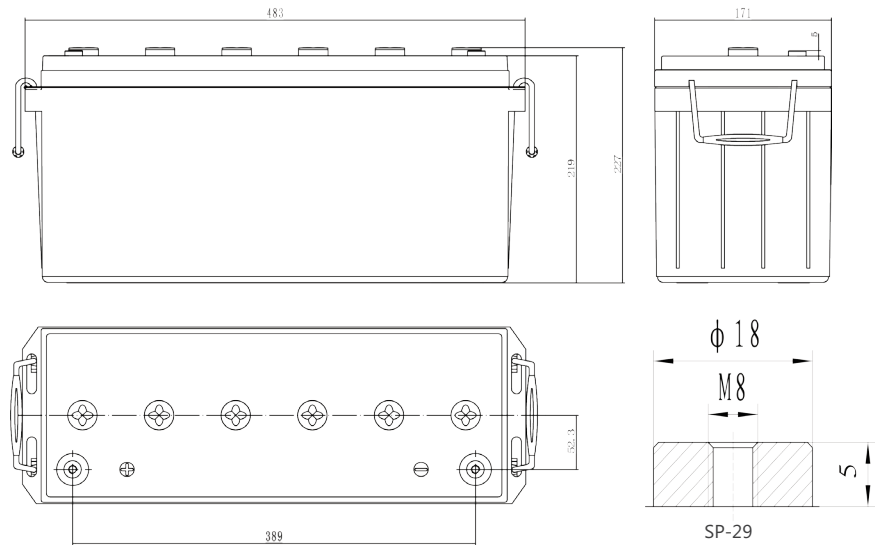
- UPS units
- Data center
- Starting generators
- EPS units

### Standards

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

### Specifications

### Drawing



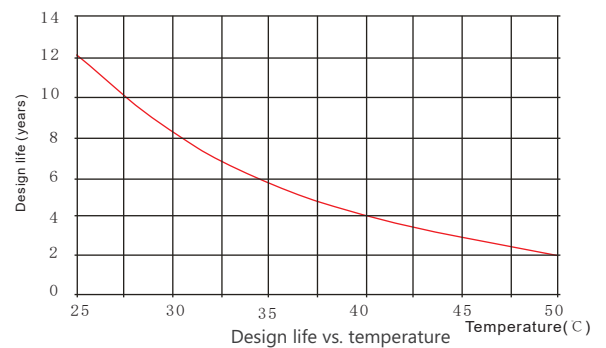
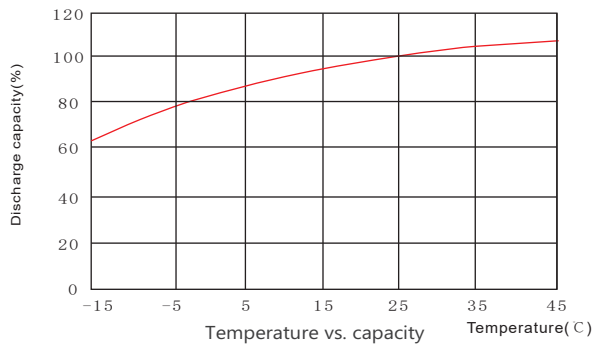
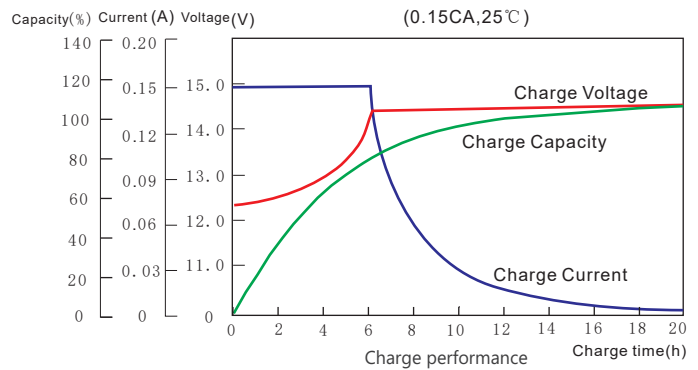
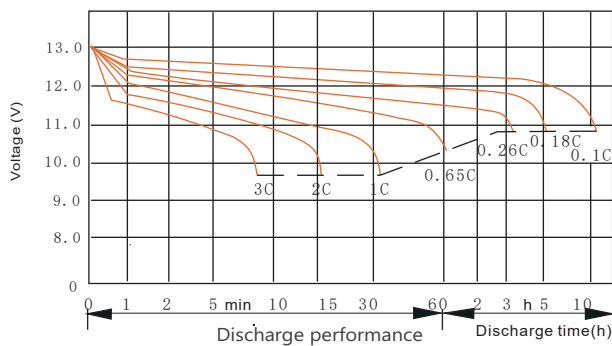
Battery Model	SPG12-570W			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	10min ( 1.60V)	15min ( 1.67V)	1HR (87A, 1.75V)	10HR (14.5A, 1.80V)
	656W/cell	570W/cell	87Ah	145Ah
Dimensions (mm)	Length	Width	Height	Total Height
	483	171	219	227
Approx. Weight (kg)	45.6			
Reference Internal Resistance (mΩ)	2.75 ( fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	1650			
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: 43.5A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	4350			

## 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	361	311	265	224	176	137	97.5	78.5	60.5	42.0	28.4	24.3	15.1
1.65	350	299	256	217	168	133	94.0	76.2	59.6	40.6	28.0	24.0	15.0
1.67	342	290	249	211	165	130	92.5	75.1	58.2	40.0	27.6	23.7	14.9
1.70	333	279	242	204	161	127	90.5	73.9	57.4	39.1	27.2	23.5	14.8
1.75	314	268	230	194	153	122	87.0	71.6	55.8	38.0	27.0	23.2	14.6
1.80	287	239	217	185	146	117	83.1	69.0	54.0	36.4	26.2	22.8	14.5

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	656	582	479	413	344	269	195	151	114	79.4	57.9	50.7	31.8
1.65	630	575	465	405	338	263	193	146	111	76.8	56.9	49.9	31.1
1.67	618	570	449	397	335	258	192	142	109	75.4	55.5	48.7	30.9
1.70	589	550	432	383	327	253	189	139	108	73.8	54.9	48.3	30.6
1.75	565	525	416	371	318	248	183	135	105	72.5	54.0	47.2	30.0
1.80	532	480	399	357	293	241	166	132	102	71.2	52.3	46.0	29.1

## Performance Curve



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