

# SPG Series

## SPG12-255W 12V70Ah

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

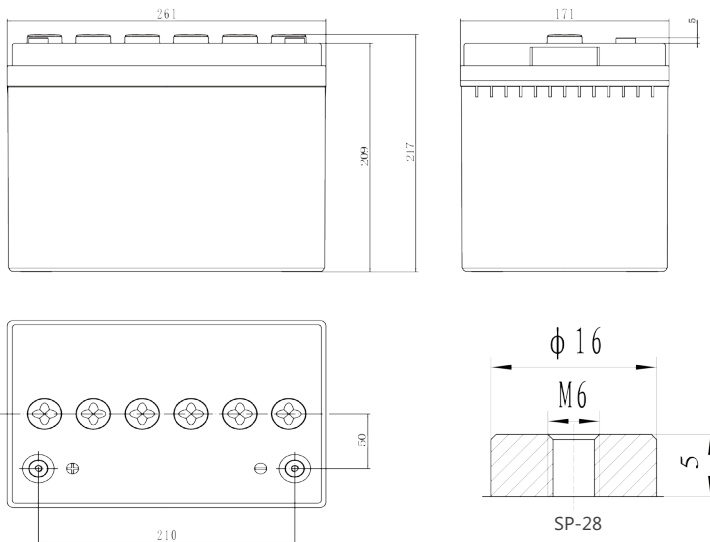
- UPS units
- Data center
- Starting generators
- EPS units

### Standards

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

### Specifications

### Drawing



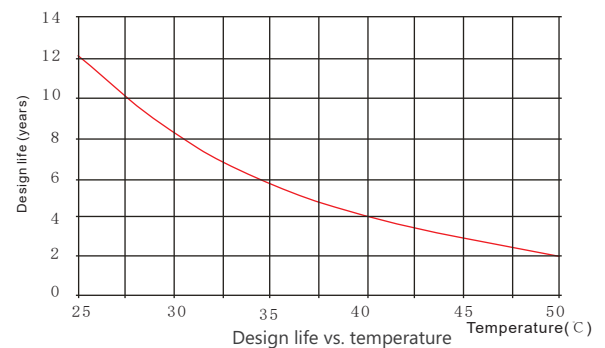
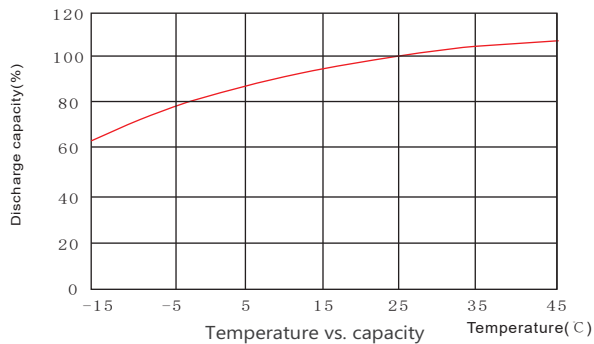
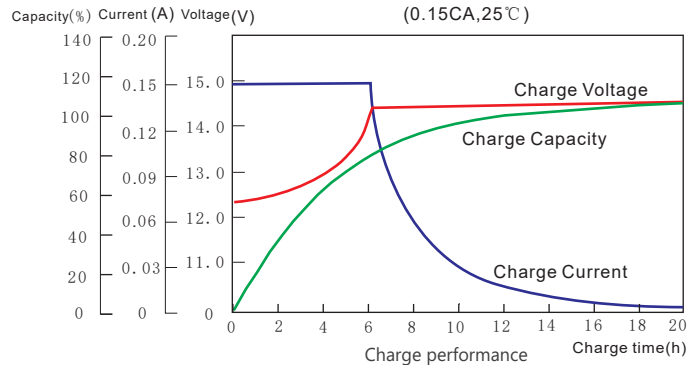
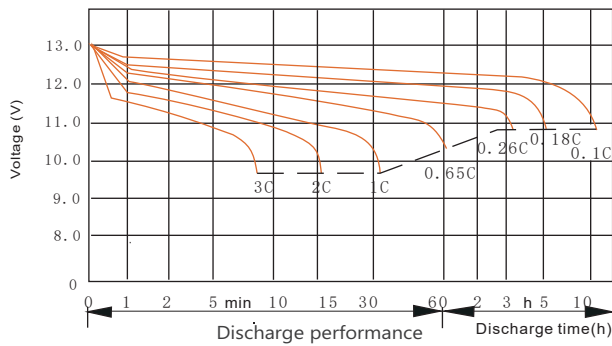
Battery Model	SPG12-255W			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	10min ( 1.60V) 295W/cell	15min ( 1.67V) 255W/cell	1HR (42A, 1.75V) 42Ah	10HR (7.0A, 1.80V) 70Ah
Dimensions (mm)	Length	Width	Height	Total Height
	261	171	209	217
Approx. Weight (kg)	22.5			
Reference Internal Resistance (mΩ)	5.80 ( fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	840			
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:21A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	2050			

## 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	163	145	133	113	86.8	67.3	49.0	36.7	29.0	20.8	13.5	11.5	7.70
1.65	155	140	127	108	84.1	65.6	47.0	35.6	28.2	20.2	13.1	11.3	7.49
1.67	152	137	122	104	83.3	63.3	45.8	35.0	27.8	19.9	12.9	11.2	7.42
1.70	148	128	116	100	80.1	61.1	43.8	34.3	27.3	19.5	12.7	11.0	7.28
1.75	139	119	107	92.4	74.9	57.7	42.0	33.3	26.5	19.0	12.4	10.7	7.14
1.80	129	110	101	87.4	71.0	53.4	39.8	32.1	25.6	18.4	12.1	10.5	7.00

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	295	260	221	183	162	124	97.8	74.6	56.9	42.5	26.9	22.9	15.1
1.65	280	257	215	179	156	121	94.3	72.5	55.2	41.4	26.1	22.5	15.0
1.67	277	255	211	175	152	118	92.9	70.7	53.9	40.6	25.5	22.2	14.8
1.70	268	252	205	170	148	117	90.8	69.4	52.9	40.0	25.1	21.8	14.6
1.75	258	242	197	164	143	113	88.1	67.8	51.8	38.8	24.6	21.4	14.4
1.80	245	232	191	158	137	109	84.6	65.3	50.1	37.6	23.9	20.9	14.1

## Performance Curve



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