

# SPG Series

## SPG12-800W 12V230Ah

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

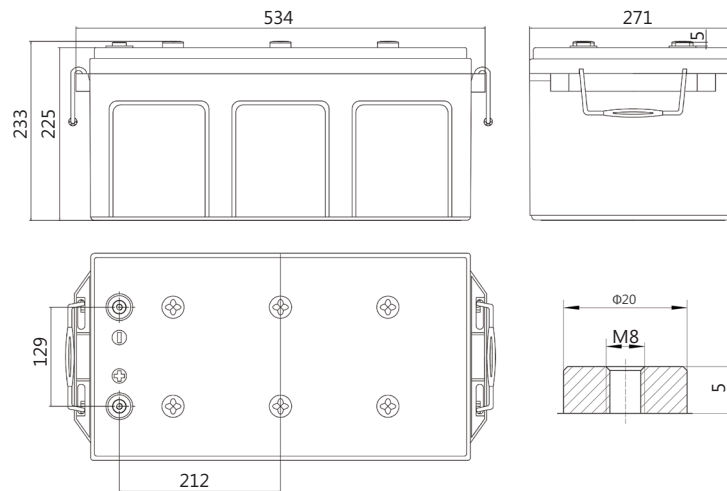
### Applications

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

### Standards

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

### Drawing



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### Specifications

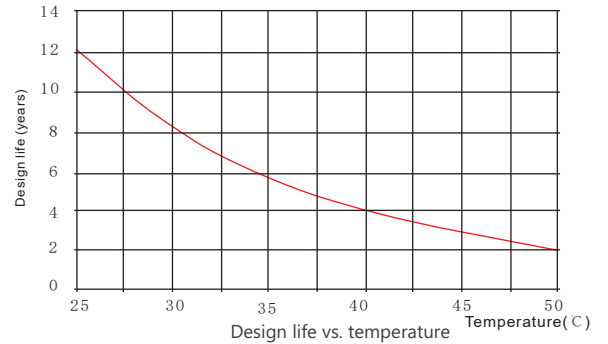
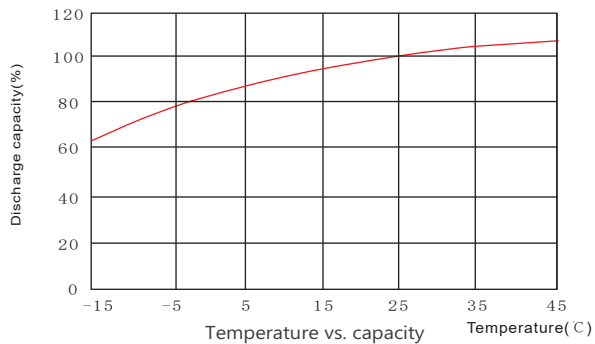
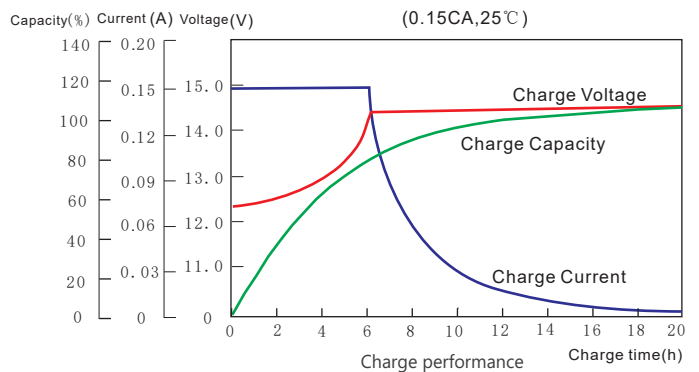
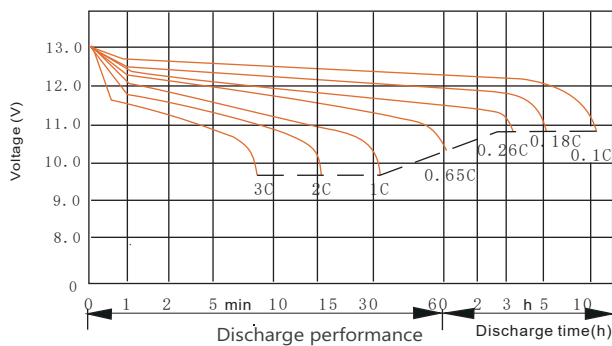
Battery Model	SPG12-800W			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	10min ( 1.60V)	15min ( 1.67V)	1HR (138A, 1.75V)	10HR (23.0A, 1.80V)
	960W/cell	800W/cell	138Ah	230Ah
Dimensions (mm)	Length	Width	Height	Total Height
	534	271	225	233
Approx. Weight (kg)	76.6			
Reference Internal Resistance (mΩ)	2.0 ( fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	2220			
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: 69A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	5800			

## 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	583	488	396	335	274	205	153	121	95.0	68.4	42.9	36.6	23.9
1.65	561	470	383	324	264	199	148	118	92.9	66.4	42.2	36.1	23.8
1.67	542	455	372	316	257	194	146	116	91.3	65.1	41.7	35.7	23.6
1.70	524	439	361	304	251	190	143	114	89.9	63.8	41.0	35.5	23.5
1.75	493	421	343	290	238	182	138	110	87.4	61.9	40.7	35.0	23.2
1.80	460	396	323	277	227	174	132	106	84.6	59.4	39.6	34.5	23.0

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	960	858	738	617	517	410	323	260	197	135	91.5	80.4	50.5
1.65	920	834	716	605	506	401	314	252	193	131	90.5	79.2	49.3
1.67	886	800	691	593	496	394	309	244	188	129	87.7	77.2	49.0
1.70	852	786	666	572	486	386	302	240	185	126	86.8	76.6	48.5
1.75	817	750	641	554	472	380	294	233	182	124	85.9	74.8	47.6
1.80	779	715	614	533	448	370	281	227	176	122	83.0	72.9	46.1

## Performance Curve



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