

# SPG Series

## SPG12-800W 12V205Ah

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
- Maximun charge efficiency
- High gas recombination efficiency
- Low self-discharge rate
- Vertical installization

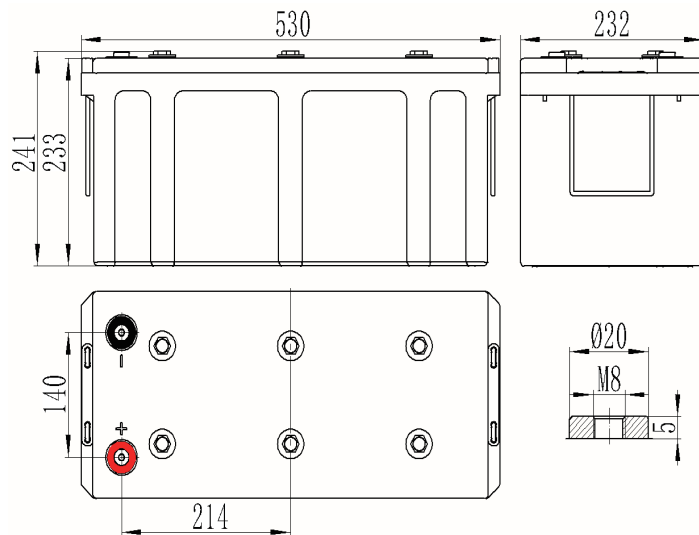
### Applications

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

### Standards

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

### Drawing



### Specifications

Battery Model	SPG12-800W			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	10min ( 1.60V)	15min ( 1.67V)	1HR (130A, 1.75V)	10HR (20.5A, 1.80V)
	930W/cell	800W/cell	130Ah	205Ah
Dimensions (mm)	Length	Width	Height	Total Height
	530	232	233	241
Approx. Weight (kg)	62.7			
Reference Internal Resistance (mΩ)	2.1 ( fully charged @ 25°C,testing device:HIOKIBT3562)			
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: 51.25A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	5600( for reference only )			

## Discharge Data

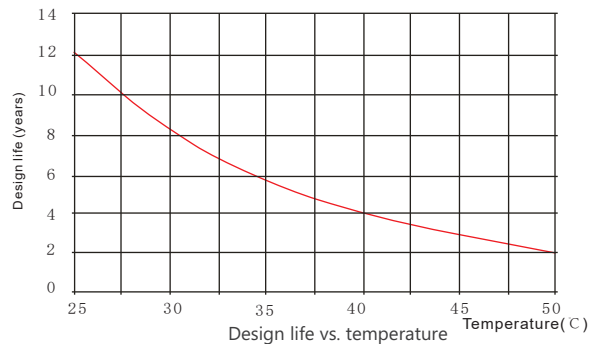
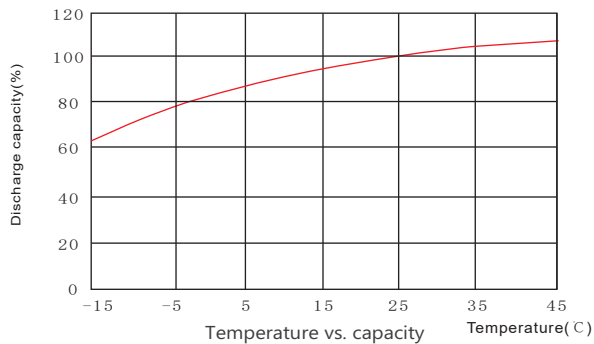
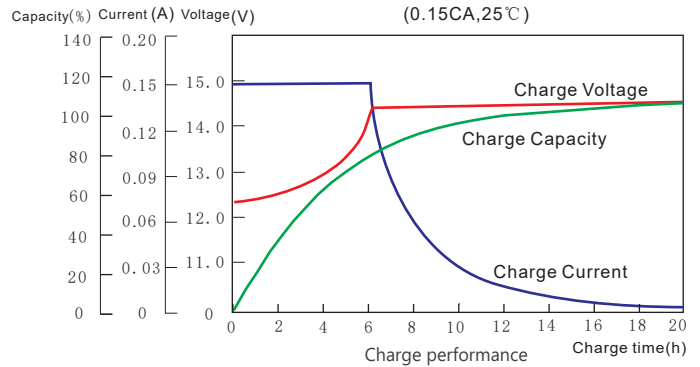
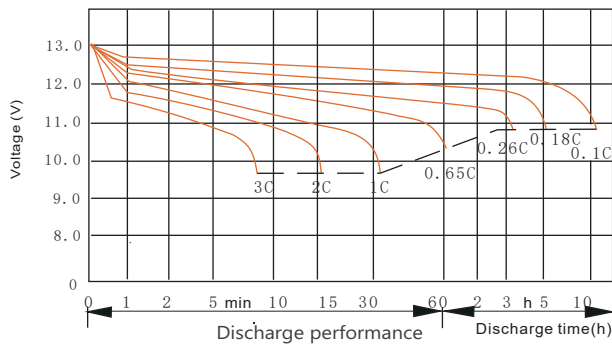
**Constant Current Discharge Data (25°C, A)**

End Voltage (V/cell)	min						h							
	10	15	20	25	30	45	1	1.5	2	3	4	5	6	10
1.60	520	447	358	302	247	178	140	107	82.6	56.0	43.0	36.2	31.0	21.2
1.65	510	440	354	298	244	176	138	106	81.8	55.4	42.6	36.0	30.8	21.1
1.67	502	433	348	293	240	174	137	105	80.8	55.2	42.4	35.8	30.6	21.0
1.70	492	412	340	288	236	170	135	103	79.8	54.6	42.0	35.7	30.5	20.9
1.75	467	394	327	277	228	165	130	100	77.8	54.4	41.8	35.5	30.3	20.8
1.80	392	348	297	257	215	157	124	95.8	74.6	53.3	41.0	34.8	29.7	20.5

**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	4	5	6	10
1.60	930	814	662	565	468	344	273	210	164	113	85.8	72.5	61.8	42.6
1.65	922	807	656	560	464	340	270	208	162	112	85.2	72.3	61.7	42.4
1.67	915	800	650	558	460	337	268	207	160	110	85.0	72.0	61.5	42.3
1.70	910	775	643	554	455	334	265	205	158	108	84.3	71.8	61.3	42.2
1.75	870	760	620	550	440	326	255	200	155	106	84.0	71.5	61.2	42.0
1.80	740	666	572	498	422	308	246	190	148	102	82.5	70.2	60.0	41.5

## Performance Curve



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