

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

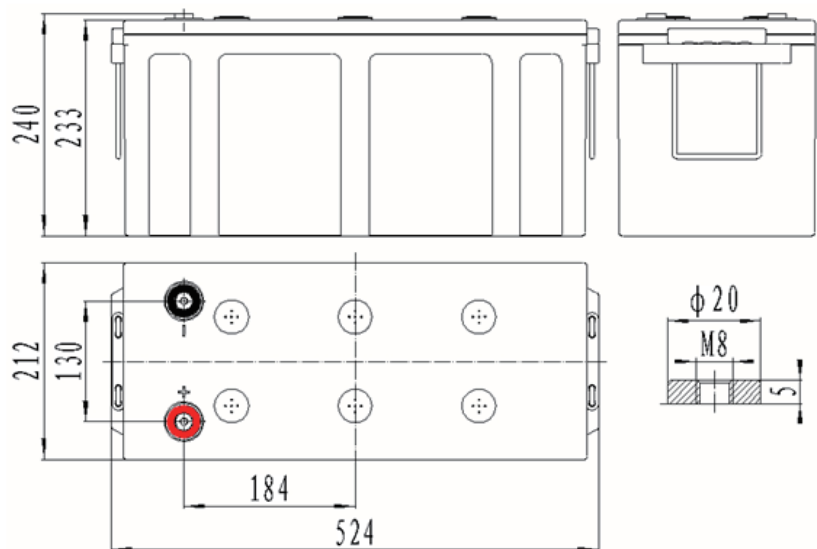
Applications

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

Standards

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

Drawing



Specifications

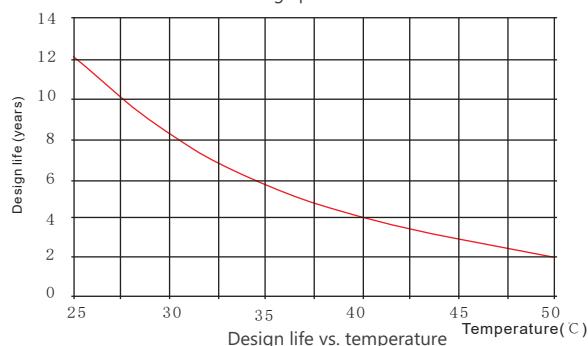
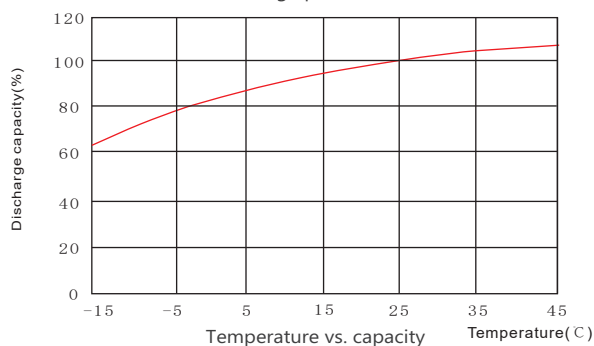
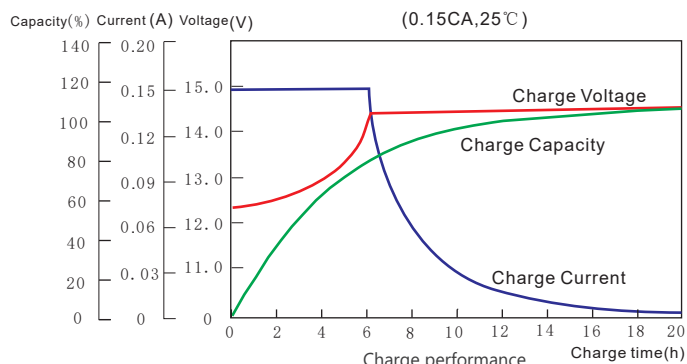
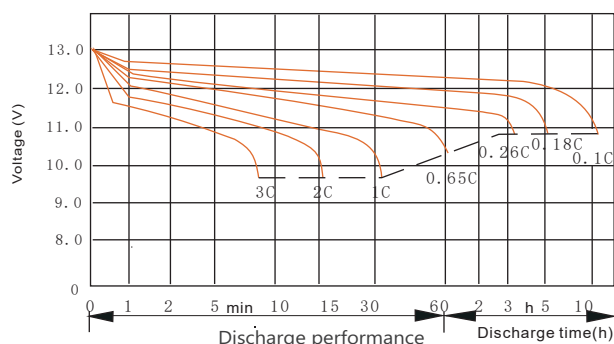
Battery Model	SPG12-800W			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	10min (1.60V)	15min (1.67V)	1HR (130A, 1.75V)	10HR (20.5A, 1.80V)
	930W/cell	800W/cell	130Ah	205Ah
Dimensions (mm)	Length	Width	Height	Total Height
	524	212	233	240
Approx. Weight (kg)	62.0			
Reference Internal Resistance (mΩ)	1.9 (fully charged @ 25°C,testing device:HIOKIBT3562)			
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: 61.5A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	4780(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	1050	984	930	814	662	565	468	344	273	210	164	113	85.8	72.5	61.8	42.6
1.65	1038	975	922	807	656	560	464	340	270	208	162	112	85.2	72.3	61.7	42.4
1.67	1028	966	915	800	650	558	460	337	268	207	160	110	85.0	72.0	61.5	42.3
1.70	1020	957	910	775	643	554	455	334	265	205	158	108	84.3	71.8	61.3	42.2
1.75	980	920	870	760	620	550	440	326	255	200	155	106	84.0	71.5	61.2	42.0
1.80	804	764	720	666	572	498	422	308	246	190	148	102	82.5	70.2	60.0	41.5

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	583	543	520	447	358	302	247	178	140	107	82.6	56.0	43.0	36.2	31.0	21.0
1.65	570	532	510	440	354	298	244	176	138	106	81.8	55.4	42.6	36.0	30.8	20.9
1.67	560	523	502	433	348	293	240	174	137	105	80.8	55.2	42.4	35.8	30.6	20.8
1.70	550	513	492	412	340	288	236	170	135	103	79.8	54.6	42.0	35.7	30.5	20.7
1.75	523	487	467	394	327	277	228	165	130	100	77.8	54.4	41.8	35.5	30.3	20.6
1.80	423	398	372	338	297	257	215	157	124	95.8	74.6	53.3	41.0	34.8	29.7	20.5

Performance Curve



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