

SPG Series

SPG12-750W 12V195Ah

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
- Vertical installation

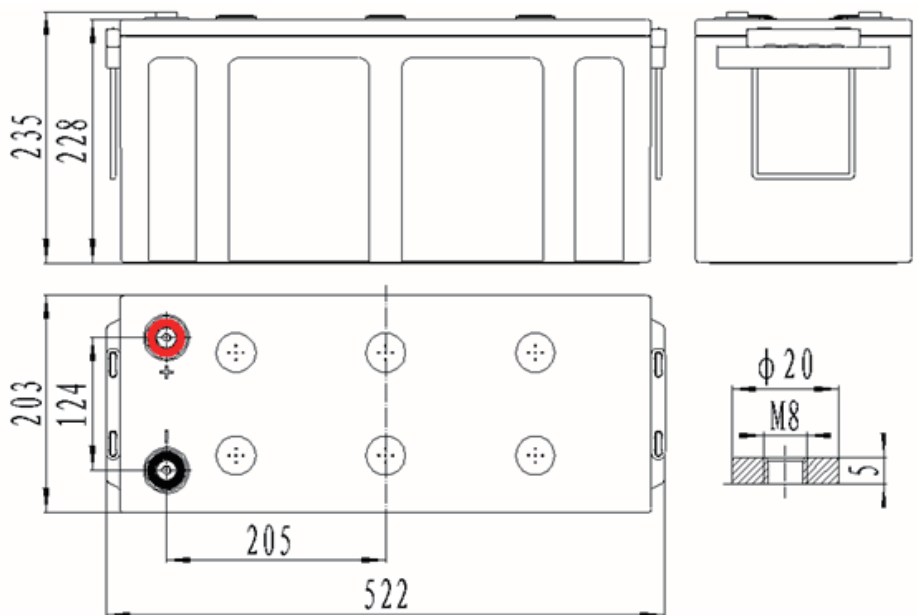
Applications

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

Standards

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

Drawing



Specifications

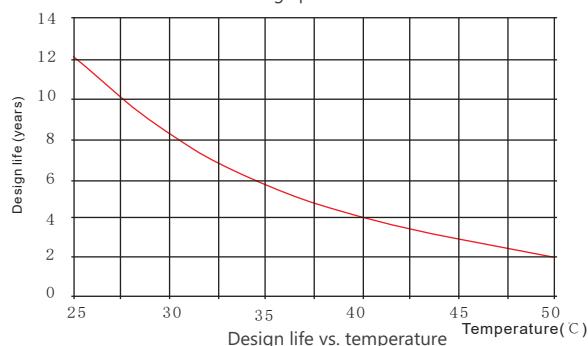
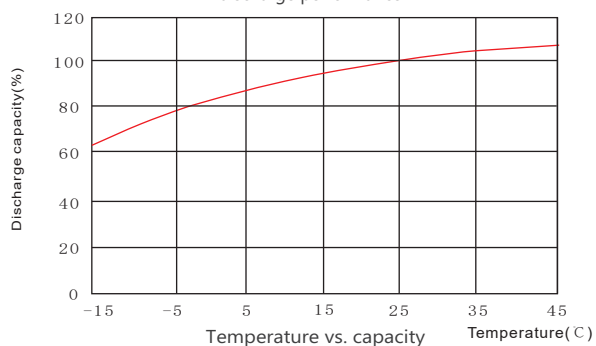
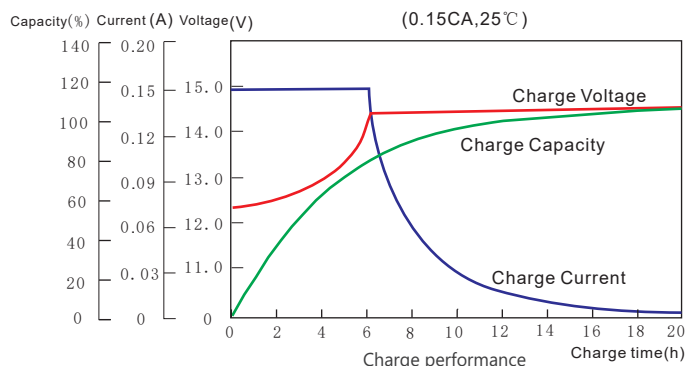
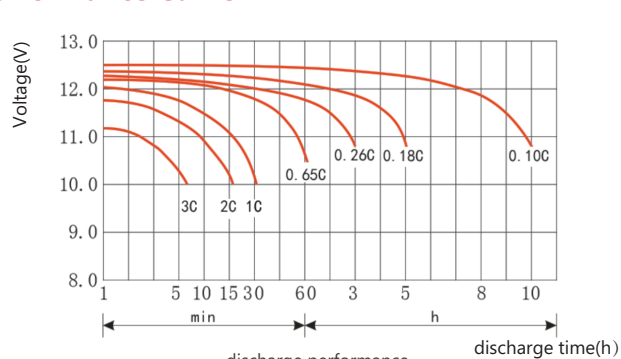
Battery Model	SPG12-750W			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	10min (1.60V)	15min (1.67V)	1HR (116A, 1.75V)	10HR (19.5A, 1.80V)
	838W/cell	750W/cell	116Ah	195Ah
Dimensions (mm)	Length	Width	Height	Total Height
	522	203	228	235
Approx. Weight (kg)	58.5			
Reference Internal Resistance (mΩ)	2.0 (fully charged @ 25°C,testing device:HIOKIBT3562)			
Self-Discharge (25°C)	≤ 2% per months			
Charge Voltage (V/cell, 25°C)	Equalizing voltage		Float voltage	
	2.40(-3.5mV/°C/cell), max charge current: 58.5A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	4700(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	1010	930	838	760	624	520	446	313	256	192	154	108	84.3	71.8	61.5	39.5
1.65	1005	922	834	755	606	510	438	305	252	187	150	103	82.7	70.6	60.7	38.5
1.67	990	914	830	750	586	500	433	298	248	185	147	100	81.7	68.8	60.3	38.3
1.70	980	905	825	720	565	480	418	294	236	180	145	98.5	80.6	68.0	59.8	37.8
1.75	950	870	820	705	560	466	410	290	228	176	142	96.8	79.6	67.0	58.5	37.3
1.80	778	722	660	600	515	448	390	277	220	168	137	95.0	77.7	64.8	57.0	36.0

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	565	513	473	405	334	277	234	164	130	96.6	78.0	56.5	44.6	36.4	31.2	20.0
1.65	553	503	452	390	326	268	228	160	124	94.5	76.4	54.8	43.3	35.8	30.8	19.9
1.67	544	494	438	378	315	260	220	155	122	93.0	75.0	53.8	42.0	35.5	30.2	19.8
1.70	534	485	423	363	305	250	215	150	118	90.7	73.8	52.8	41.7	34.8	30.0	19.7
1.75	507	460	404	350	294	238	206	143	116	87.8	71.8	51.2	40.7	34.7	29.8	19.6
1.80	410	377	350	318	275	227	195	137	110	84.4	69.5	49.0	39.6	33.6	29.3	19.5

Performance Curve



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