

SPG Series

SPG12-750W 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
- Maximum charge efficiency
- High gas recombination efficiency
- Low self-discharge rate
- Vertical installation

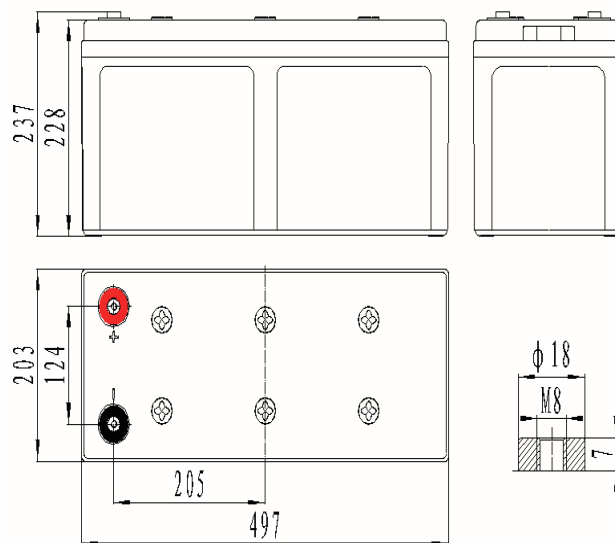
Applications

- 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)
	830W/cell	750W/cell	116Ah	195Ah
Dimensions (mm)	Length	Width	Height	Total Height
	497	203	228	237
Approx. Weight (kg)	59.6			
Reference Internal Resistance (mΩ)	2.3(fully charged @ 25°C,testing device:HIOKIBT3562)			
Maximum Discharge Current (A/5 Sec.)	2100			
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: 48.75A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	5000(for reference only)			

Discharge Data

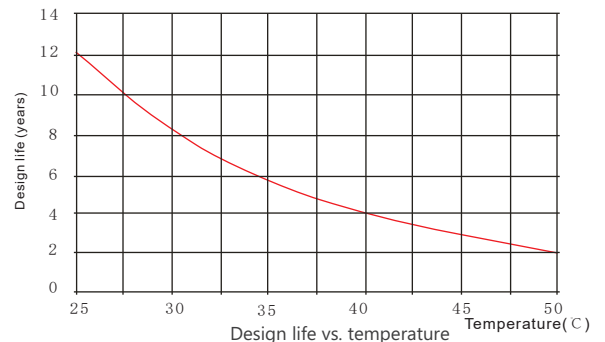
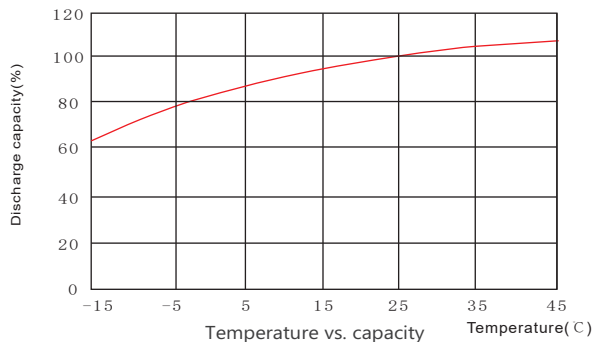
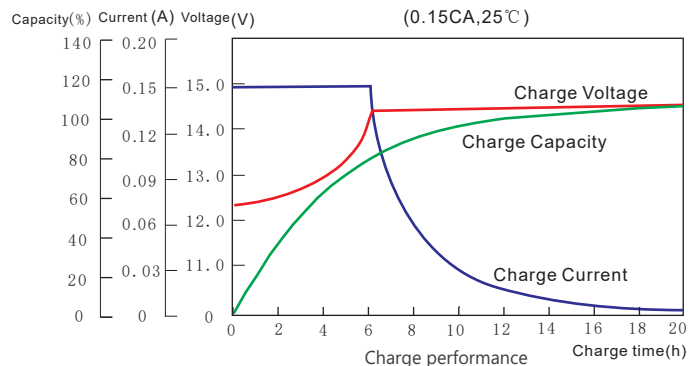
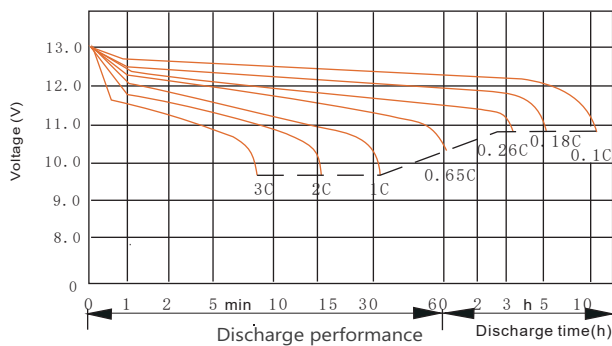
Constant Current Discharge Data (25°C, A)

End Voltage (V/cell)	min						h							
	10	15	20	25	30	45	1	1.5	2	3	4	5	6	10
1.60	473	405	334	277	234	164	130	96.6	78.0	56.5	44.6	36.4	31.2	20.0
1.65	452	390	326	268	228	160	124	94.5	76.4	54.8	43.3	35.8	30.8	20.0
1.67	438	378	315	260	220	155	122	93.0	75.0	53.8	42.0	35.5	30.2	19.8
1.70	423	363	305	250	215	150	118	90.7	73.8	52.8	41.7	34.8	30.2	19.7
1.75	404	350	294	238	206	143	116	87.8	71.8	51.2	40.7	34.7	29.8	19.6
1.80	370	328	275	227	195	137	110	84.4	69.5	49.0	39.6	33.6	29.3	19.5

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	830	760	624	520	446	313	256	192	154	105	84.3	71.8	61.5	39.5
1.65	825	755	606	510	438	305	252	187	150	103	82.7	70.6	60.7	38.5
1.67	820	750	586	500	433	298	248	185	147	100	81.7	68.8	60.3	38.3
1.70	810	700	565	480	418	294	236	180	145	98.5	80.6	68.0	59.8	37.8
1.75	800	680	544	466	407	290	228	176	142	96.8	79.6	67.0	58.5	37.3
1.80	740	600	515	448	390	277	220	168	137	95.0	77.7	64.8	57.0	36.0

Performance Curve



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