

SPG Series

SPG12-870W 12V250Ah

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 installization

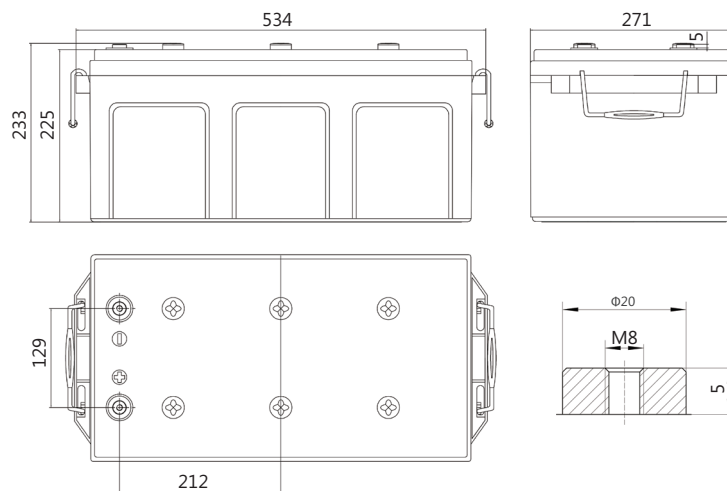
Applications

- 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

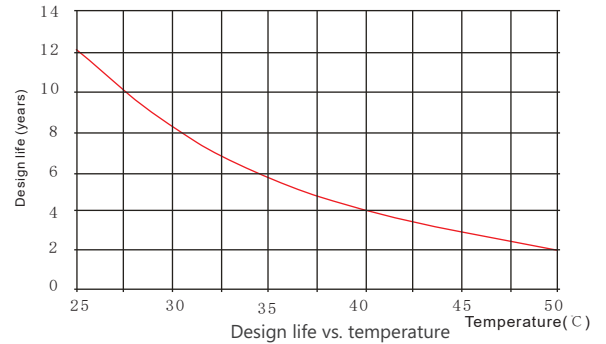
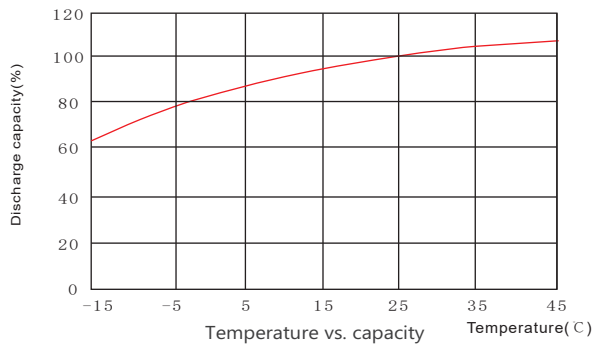
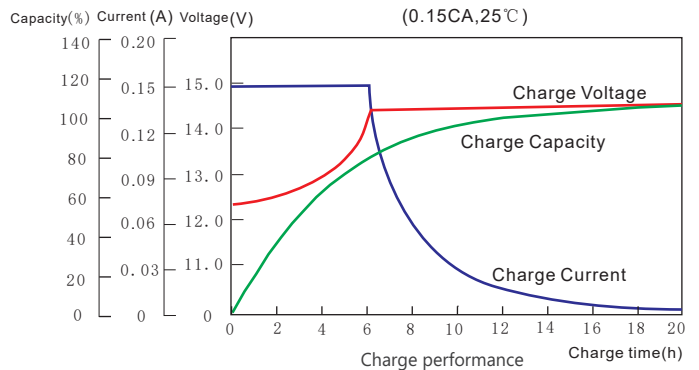
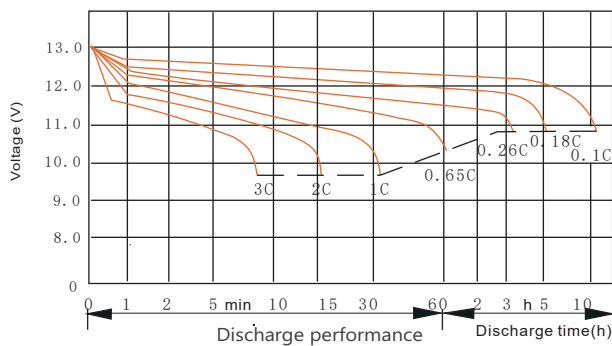
Battery Model	SPG12-870W			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	10min (1.60V)	15min (1.67V)	1HR (150A, 1.75V)	10HR (25A, 1.80V)
	1045W/cell	870W/cell	150Ah	250Ah
Dimensions (mm)	Length	Width	Height	Total Height
	534	271	225	233
Approx. Weight (kg)	79.4			
Reference Internal Resistance (mΩ)	1.95 (fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	2500			
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: 75A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	6100			

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	578	500	424	359	290	219	167	126	98	73.3	45.9	39.2	26.0
1.65	550	492	410	348	278	213	161	123	96	71.1	45.3	38.7	25.8
1.67	534	488	398	338	272	208	158	122	94	69.8	44.7	38.3	25.6
1.70	508	470	387	326	266	204	155	119	93	68.4	43.9	38.0	25.5
1.75	475	451	368	311	254	195	150	115	90.2	66.4	43.6	37.5	25.1
1.80	439	398	346	296	241	186	143	112	87.3	63.7	42.4	36.9	25.0

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	1045	900	791	661	561	450	324	253	189	145	98.0	86.2	54.1
1.65	990	880	767	649	551	440	321	251	184	141	97.0	84.8	52.8
1.67	969	870	741	635	539	432	320	249	179	138	94.0	82.8	52.5
1.70	941	853	714	613	527	424	314	244	177	135	93.0	82.1	51.9
1.75	888	814	687	593	511	415	304	238	174	133	92.0	80.2	51.1
1.80	836	760	658	571	468	392	270	219	169	130	88.9	78.1	49.4

Performance Curve



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