



SPG Series

SPG12-600W 12V165Ah

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

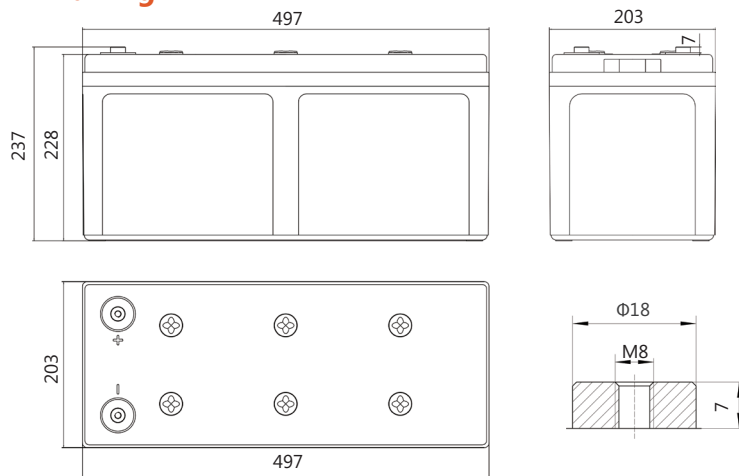
Applications

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

Standards

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

Drawing



SP-31

Specifications

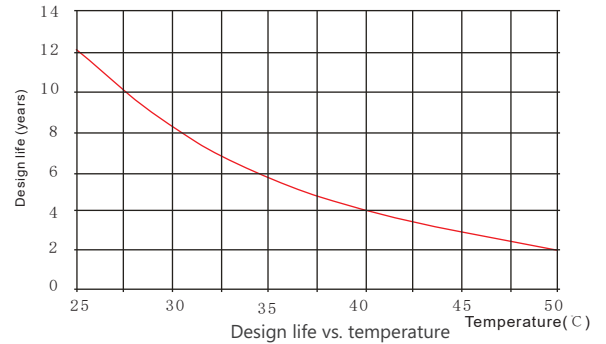
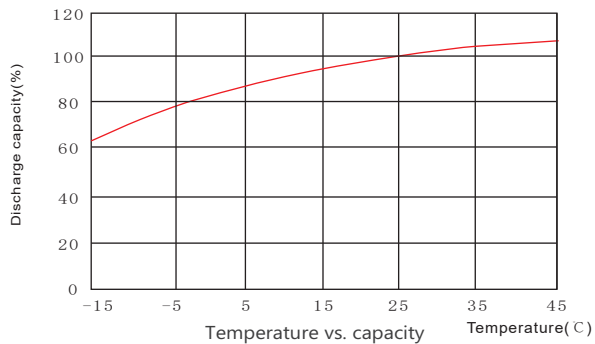
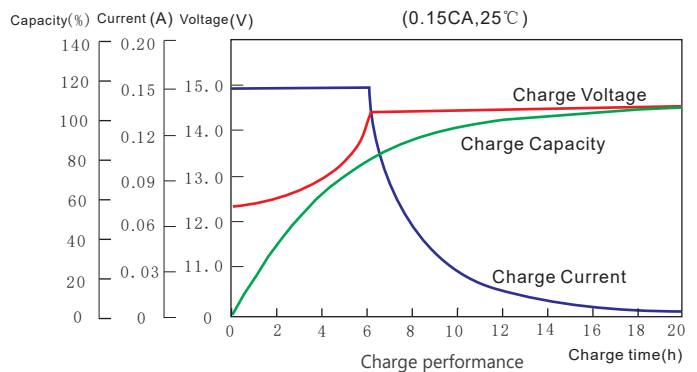
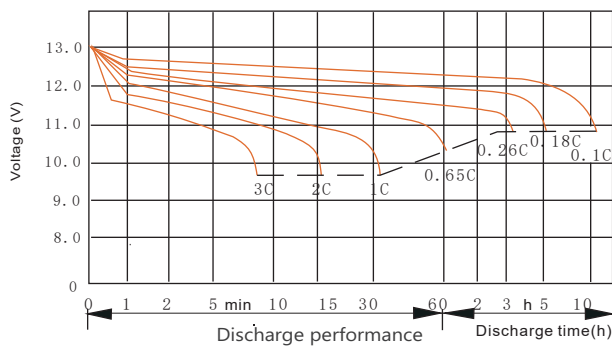
Battery Model	SPG12-600W			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	10min (1.60V)	15min (1.67V)	1HR (99A, 1.75V)	10HR (16.5A, 1.80V)
	720W/cell	600W/cell	99Ah	165Ah
Dimensions (mm)	Length	Width	Height	Total Height
	497	203	228	237
Approx. Weight (kg)	55.0			
Reference Internal Resistance (mΩ)	2.70 (fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	1760			
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: 49.5A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	4300			

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	410	352	295	249	212	152	110	92.8	68.1	49.4	31.6	27.0	17.0
1.65	392	340	285	241	198	148	106	90.6	66.6	47.9	31.1	26.6	16.9
1.67	380	329	277	235	193	145	105	88.8	65.4	47.0	30.7	26.3	16.8
1.70	367	317	269	227	188	141	103	87.3	64.5	46.1	30.2	26.1	16.7
1.75	345	304	255	216	178	136	99.0	84.5	62.7	44.7	30.0	25.8	16.6
1.80	321	285	238	206	165	129	95.4	81.4	60.6	42.9	29.1	25.4	16.5

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	5	6	10
1.60	720	632	522	450	366	289	232	176	134	91.7	62.2	54.5	34.2
1.65	690	614	506	441	359	283	225	171	130	89.0	61.1	53.6	33.4
1.67	666	600	489	432	352	278	221	165	127	87.2	59.7	52.3	33.2
1.70	639	582	471	417	344	272	216	162	125	85.3	59.0	51.9	32.8
1.75	613	554	453	404	331	269	210	158	123	83.9	58.0	50.7	32.3
1.80	584	534	434	389	318	258	201	154	119	82.3	56.2	49.4	31.3

Performance Curve



Disclaimer: The manufacturer reserves the right to amend and/or vary the specifications and parameters of the product and apply updates accordingly at any time. It is the sole responsibility of the buyer and user of the product to ensure all applicable product specifications referred to are valid and up to date. All product specifications are available upon request. Batteries must be installed in accordance with standard BS EN IEC 62485-2:2018, and in accordance with manufacturer's guidelines. (available upon request)