

SPG Series

SPG12-700W 12V185Ah

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

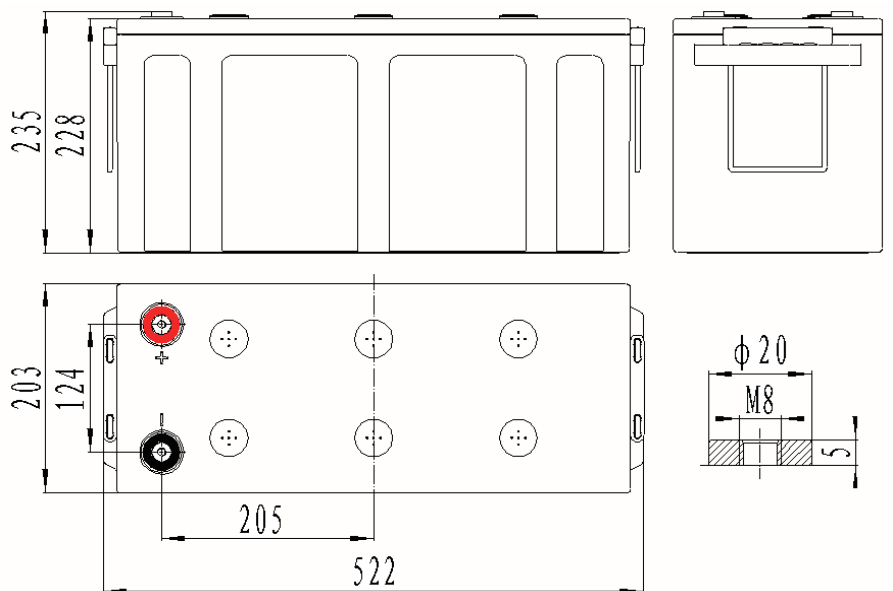
Applications

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

Standards

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

Drawing



Specifications

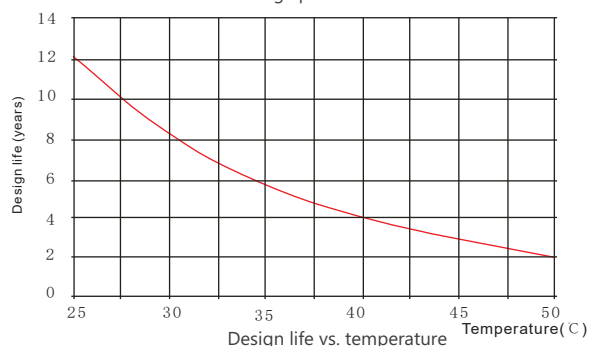
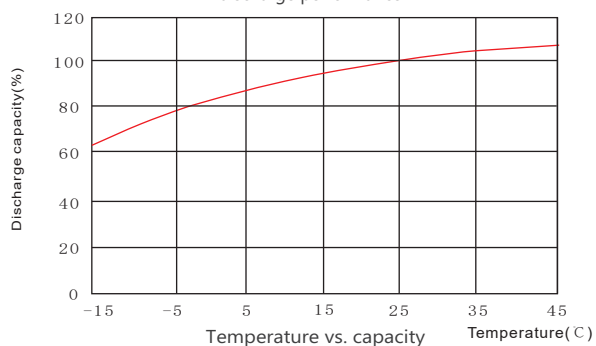
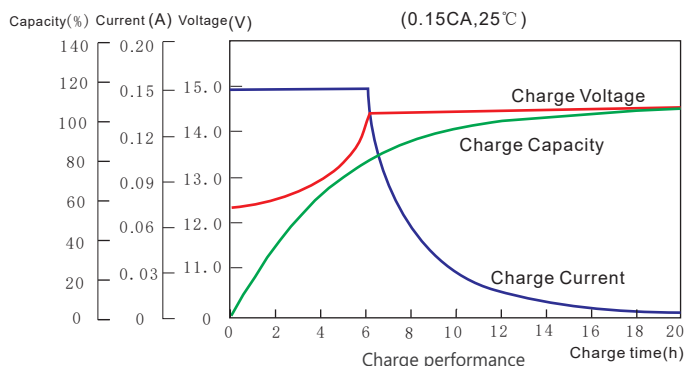
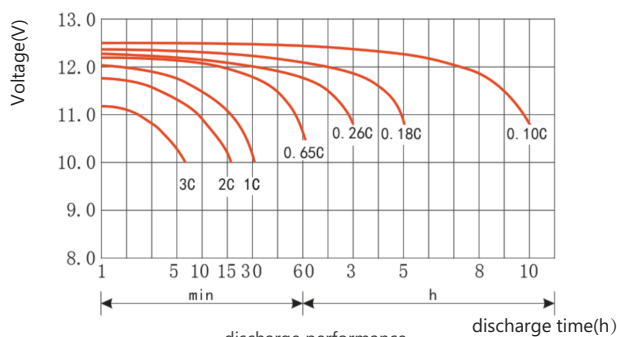
Battery Model	SPG12-700W			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	10min (1.60V)	15min (1.67V)	1HR (110A, 1.75V)	10HR (18.5A, 1.80V)
	790W/cell	700W/cell	110Ah	185Ah
Dimensions (mm)	Length	Width	Height	Total Height
	522	203	228	235
Approx. Weight (kg)	56.5			
Reference Internal Resistance (mΩ)	2.1 (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: 55.5A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	4600(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	984	877	790	710	594	495	425	298	244	183	147	100	80.3	68.4	58.6	37.6
1.65	975	868	785	704	577	486	417	290	240	178	143	97.8	78.8	67.2	57.8	36.7
1.67	966	860	780	700	558	476	412	285	236	176	140	95.8	77.8	65.6	57.4	36.5
1.70	957	853	775	665	545	458	398	280	225	172	138	93.8	76.8	64.8	57.0	36.0
1.75	920	820	770	660	540	444	388	276	218	168	135	92.2	75.8	63.8	55.7	35.5
1.80	754	680	630	570	490	428	372	264	210	160	130	90.5	74.0	61.8	54.3	34.4

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	547	484	450	386	318	264	223	156	124	92.0	74.3	53.8	42.5	34.7	29.7	19.1
1.65	536	474	430	372	310	256	217	152	118	90.0	72.8	52.3	41.2	34.2	29.3	19.0
1.67	526	466	417	360	300	248	210	148	116	88.6	71.4	51.3	40.0	33.8	28.8	18.9
1.70	517	458	403	346	290	238	205	144	113	86.4	70.3	50.3	39.7	33.2	28.8	18.8
1.75	490	434	380	333	280	227	196	136	110	83.6	68.4	48.8	38.8	33.0	28.4	18.7
1.80	397	355	333	303	262	216	186	130	106	80.4	66.2	46.8	37.7	32.0	27.9	18.5

Performance Curve



Sacred Sun Power Sources Co., Ltd.

Add: No.1 Shengyang Road, Qufu 273100 PRC
Tel: +86-537-4422313 Fax: +86-537-4411980
Email: sales@sacredsun.cn

Sacred Sun Hong Kong Co., Limited

Add: RM 19C Lockhart CTR 301-307 Lockhart RD Wan Chai, Hong Kong
Email: admin.hk@sacredsun.hk

Sacred Sun Asia Pacific Pte Ltd.

Add: 1 Ubi View, #04-12, Focus One, Singapore 408555
Email: admin.sg@sacredsun.sg

Sacred Sun Europe SARL

Add: ZAE Fontaine, 33210 Fargues, France
Email: admin.eu@sacredsun.eu

Sacred Sun MEA FZE

Add: No. 311 office, Building LOB 14, JAFZA, Dubai, UAE
Email: admin.ae@sacredsun.ae

