SPG Series

SPG12-770W 12V210Ah

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

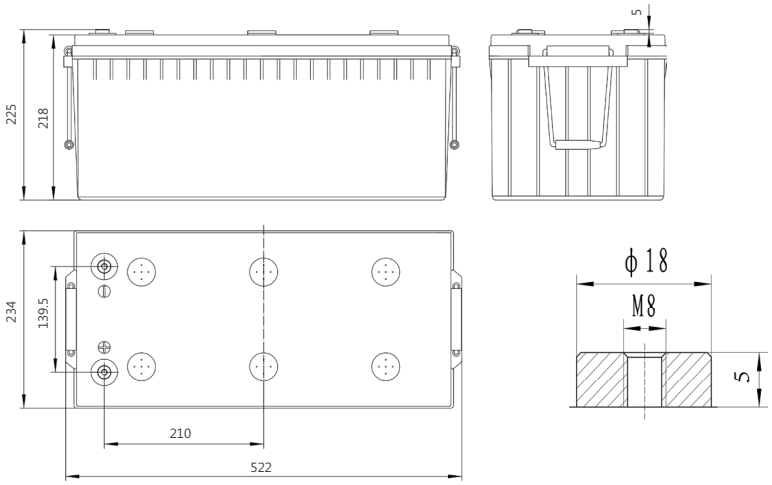
Applications

- 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

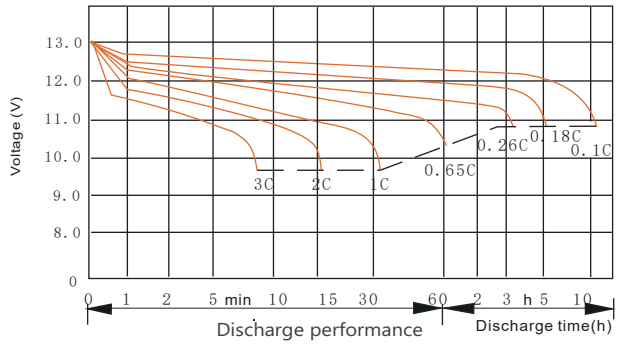
Battery Model	SPG12-770W			
Design Life (years, 25℃)	12			
Capacity (Ah, 25℃)	10min (1.60V)	15min (1.67V)	1HR (145A, 1.70V)	10HR (21A, 1.80V)
	1002W/cell	770W/cell	145Ah	210Ah
Dimensions (mm)	Length	Width	Height	Total Height
	522	234	218	225
Approx. Weight (kg)	66.3			
Reference Internal Resistance (mΩ)	2.10 (fully charged @ 25℃)			
Maximum Discharge Current (A/5 Sec.)	2100			
Self-Discharge (25℃)	≤2% per months			
Charge Voltage (V/cell, 25℃)	Cycle use		Float use	
	2.40(-3.5mV/℃/cell), max charge current: 63A		2.27(-3.5mV/℃/cell)	
Short Circuit Current (A)	5700			

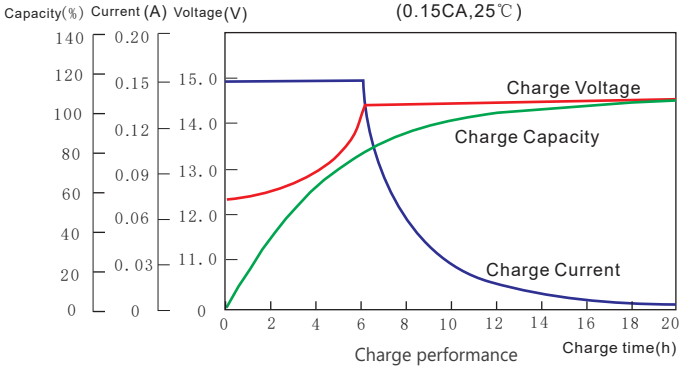
Discharge Data

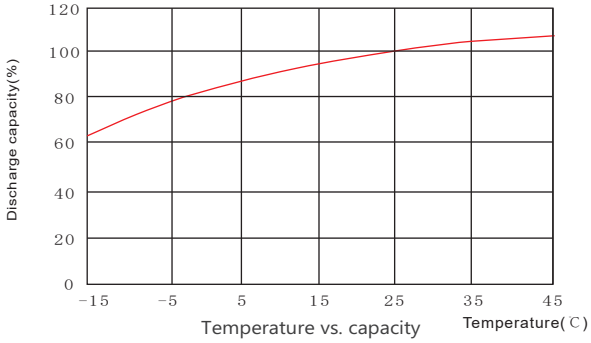
Constant Current Discharge Data (25℃, A)														
End Voltage (V/cell)	min							h						
	5	10	15	20	25	30	45	1	1.5	2	3	5	6	10
1.60	700	564	472	383	324	281	198	156	122	94.1	65.5	41.0	35.1	21.8
1.65	661	542	455	370	314	272	193	151	119	92.1	63.5	40.4	34.6	21.7
1.67	631	525	441	360	305	265	188	148	117	90.4	62.3	39.9	34.2	21.5
1.70	616	507	425	349	294	258	184	145	115	89.1	61.1	39.2	34.0	21.4
1.75	583	477	407	332	281	246	176	141	111	86.7	59.3	39.0	33.5	21.1
1.80	542	445	383	313	267	233	168	135	107	83.9	56.9	37.9	33.0	21.0

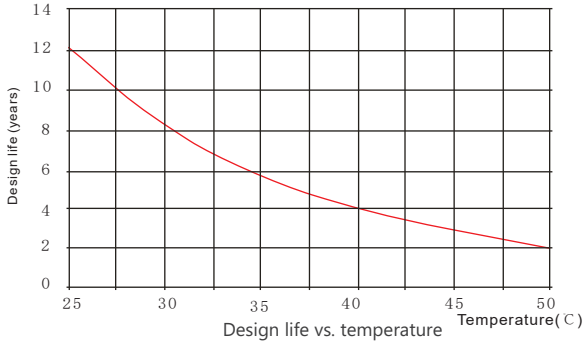
Constant Power Discharge Data (25℃, W/cell)														
End Voltage (V/cell)	min							h						
	5	10	15	20	25	30	45	1	1.5	2	3	5	6	10
1.60	1206	1002	814	679	573	509	370	304	227	180	123	83.6	71.3	44.1
1.65	1145	960	790	658	562	499	361	296	220	175	120	82.2	69.9	43.1
1.67	1115	925	770	635	551	489	355	290	214	171	117	80.2	69.1	42.8
1.70	1081	890	752	612	531	478	348	284	209	168	115	79.4	67.9	42.4
1.75	1045	853	725	589	514	464	341	276	204	165	113	78.0	66.8	41.6
1.80	1005	813	690	565	495	445	330	264	198	161	111	75.6	64.9	40.3

Performance Curve









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