

# 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
- Maximun charge efficiency
- High gas recombination efficiency
- Low self-discharge rate
- Vertical installization

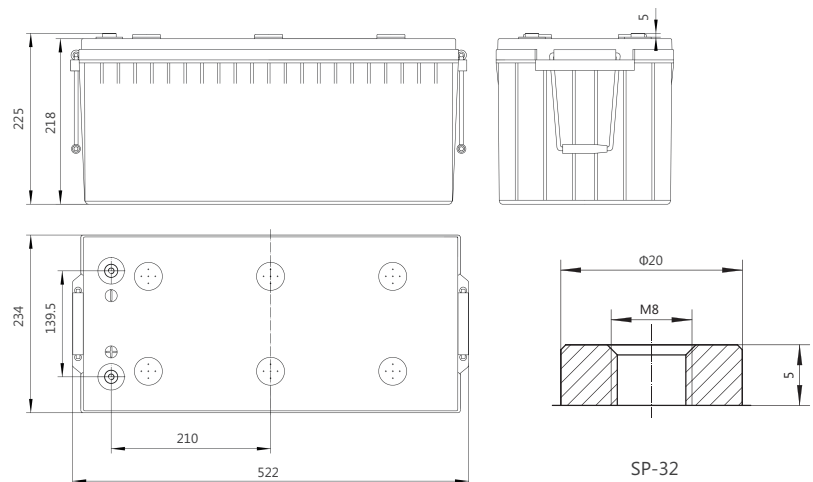
### Applications

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

### Standards

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

### Drawing



### Specifications

Battery Model	SPG12-770W			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	10min ( 1.67V)	15min ( 1.67V)	1HR (126A, 1.75V)	10HR (21A, 1.80V)
	924W/cell	770W/cell	126Ah	210Ah
Dimensions (mm)	Length	Width	Height	Total Height
	522	234	218	225
Approx. Weight (kg)	64.4			
Reference Internal Resistance (mΩ)	2.20 ( 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: 63A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	5700( for reference only )			

## Discharge Data

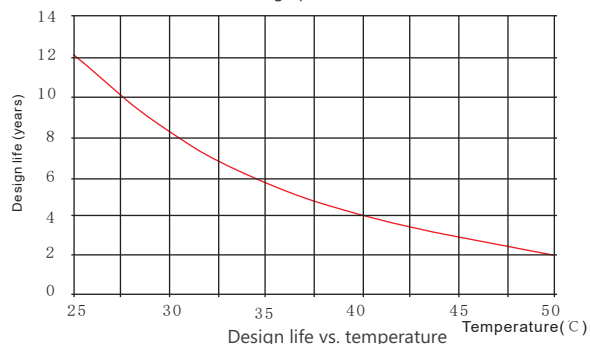
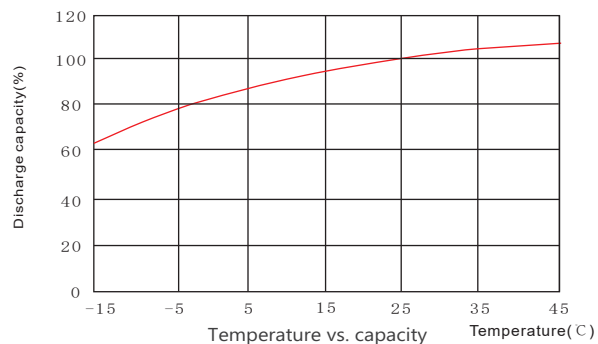
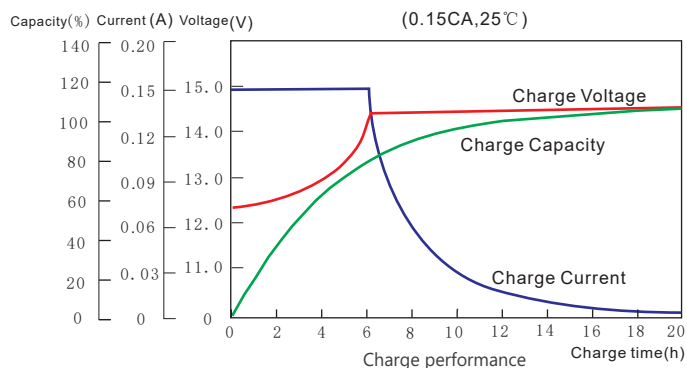
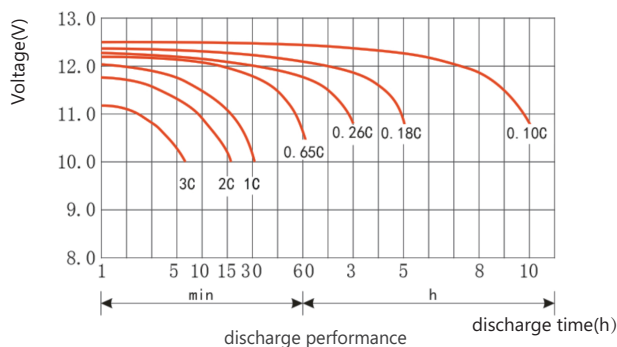
**Constant Current Discharge Data (25°C, A)**

End Voltage (V/cell)	min						h							
	10	15	20	25	30	45	1	1.5	2	3	4	5	6	10
1.60	510	444	360	296	250	178	138	106	86.6	61.6	48.8	41.0	35.0	21.8
1.65	488	428	350	290	243	173	135	103	84.7	59.7	48.0	40.0	34.6	21.6
1.67	473	415	342	282	237	168	132	100	83.2	58.6	46.8	39.6	34.2	21.5
1.70	458	400	328	272	230	164	130	98.0	82.0	57.4	46.3	39.0	34.0	21.4
1.75	430	383	312	260	218	158	126	95.0	79.8	55.7	45.5	38.0	33.5	21.2
1.80	402	360	296	245	208	152	122	92.0	77.2	53.5	44.0	37.0	33.0	21.0

**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	4	5	6	10
1.60	935	814	679	573	480	346	278	212	168	118	96.0	81.6	69.8	43.2
1.65	930	790	658	562	470	336	270	206	163	117	94.4	80.2	69.0	42.6
1.67	924	770	635	550	462	330	264	200	160	114	93.0	78.2	68.4	42.3
1.70	870	740	612	530	450	324	256	196	157	112	91.8	76.4	67.8	42.0
1.75	820	720	588	514	435	315	240	190	154	110	90.8	75.0	66.8	41.6
1.80	750	670	565	490	415	300	232	183	150	106	88.6	73.6	64.8	40.3

## Performance Curve



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