

# SPG Series

## SPG12-720W 12V200Ah

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.



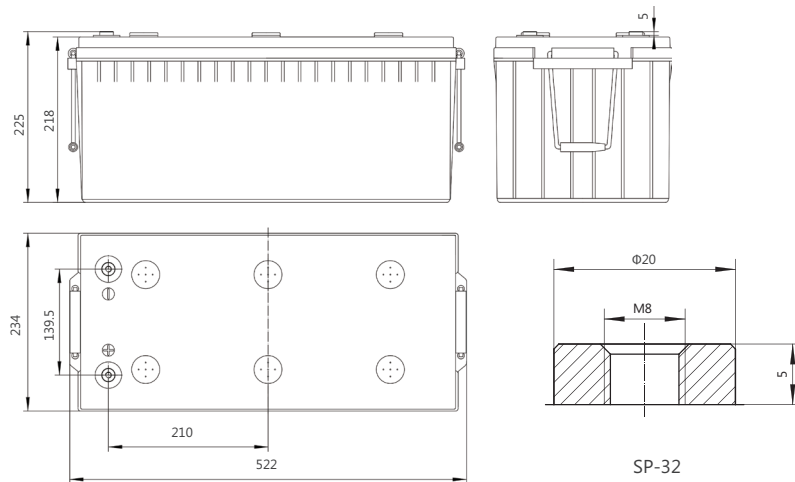
### Benefits

- 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

### Drawing



### Standards

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

### Specifications

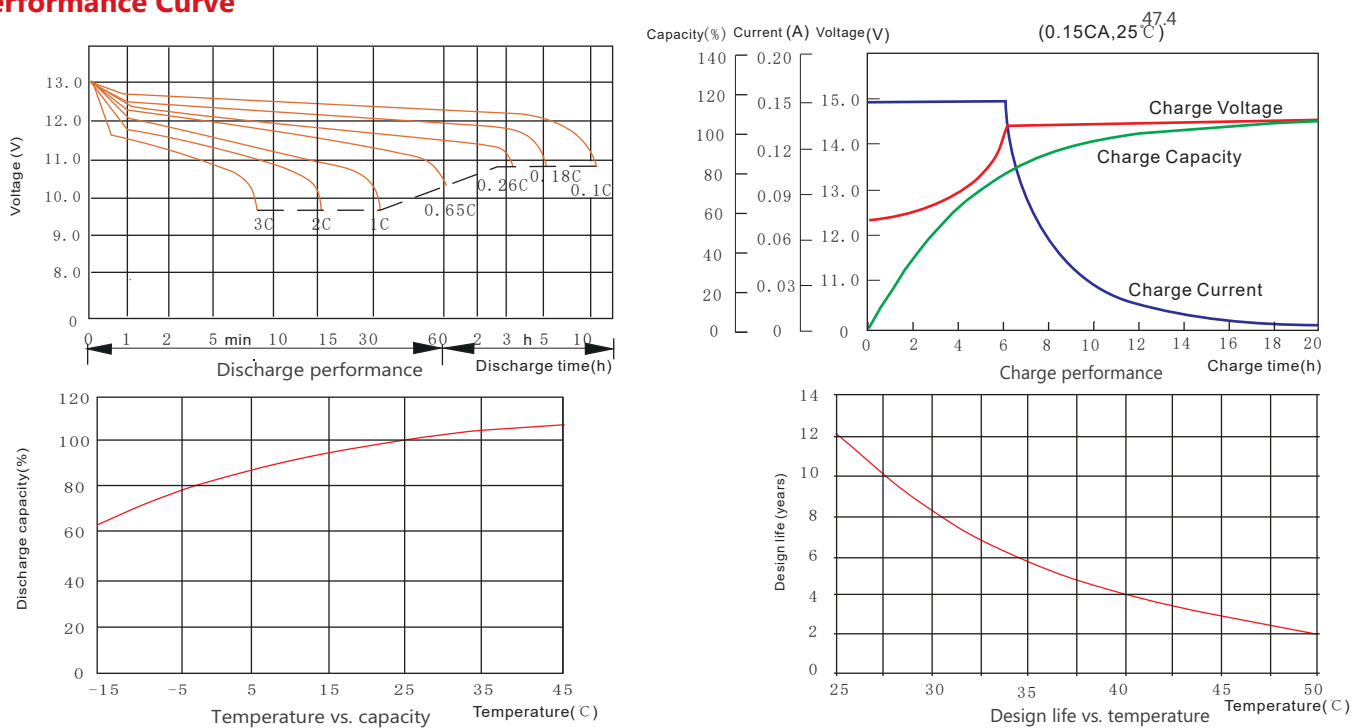
Battery Model	SPG12-720W			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	10min ( 1.60V)	15min ( 1.67V)	1HR (120A, 1.75V)	10HR (20A, 1.80V)
	826W/cell	720W/cell	120Ah	200Ah
Dimensions (mm)	Length	Width	Height	Total Height
	522	234	218	225
Approx. Weight (kg)	64.2			
Reference Internal Resistance (mΩ)	2.45 ( fully charged @ 25°C)			
Maximum Discharge Current (A/5 Sec.)	2000			
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: 60A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	4900			

## 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	461	408	343	290	227	177	134	101	78.3	58.6	36.7	31.4	20.8
1.65	440	400	331	281	220	172	130	98	76.5	56.9	36.2	31.0	20.7
1.67	428	394	322	273	213	168	127	96.7	75.3	55.8	35.7	30.6	20.6
1.70	410	380	313	264	208	165	124	95.8	74.2	54.7	35.1	30.4	20.4
1.75	385	365	297	251	198	158	120	93	72.2	53.1	34.9	30.0	20.2
1.80	361	320	280	239	188	151	115	89.2	69.8	50.9	33.9	29.5	20.0

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	826	740	606	523	441	347	253	211	160	108	73.1	64.1	41.5
1.65	800	725	588	513	432	339	251	205	156	105	71.9	63.0	40.6
1.67	784	720	568	502	423	333	250	198	152	102	70.2	61.5	40.3
1.70	751	699	547	485	414	326	246	194	150	100	69.4	61.0	39.9
1.75	717	664	526	469	404	320	238	189	147	98.6	68.2	59.6	39.2
1.80	684	605	513	452	386	310	229	184	143	96.8	66.1	58.1	37.9

## Performance Curve



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