

SPG Series

SPG12-630W 12V155 Ah

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

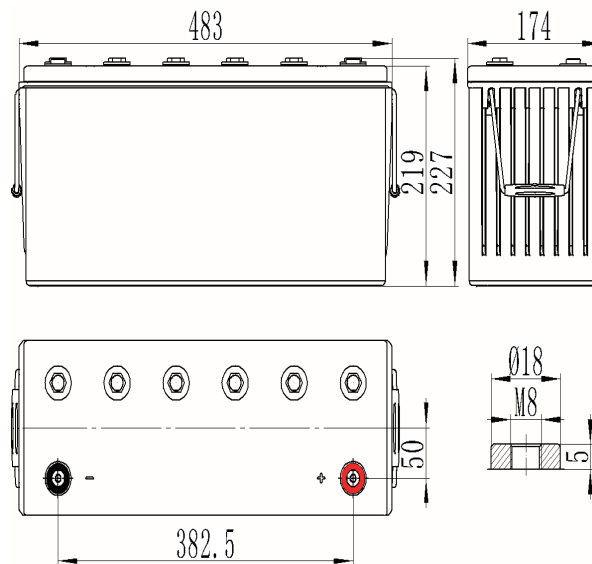
Applications

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

Standards

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

Drawing



Specifications

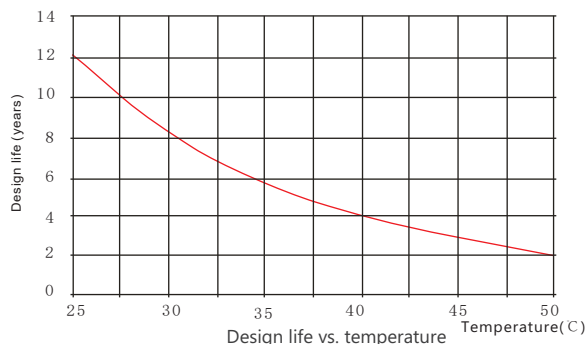
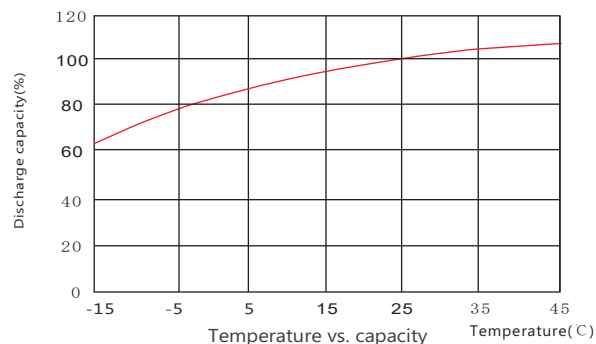
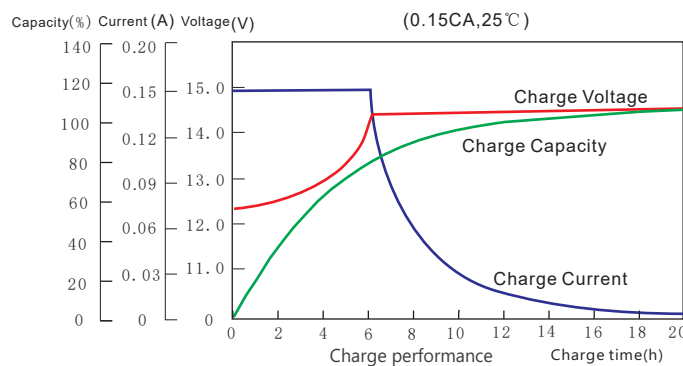
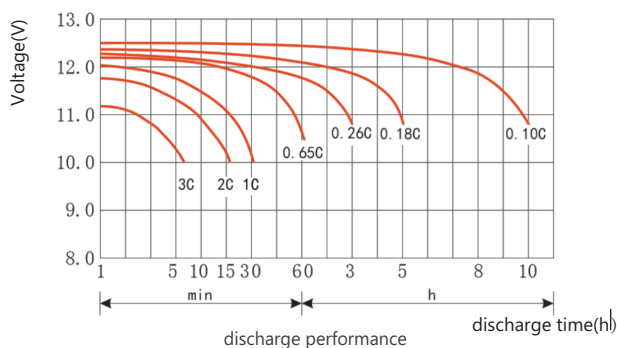
Battery Model	SPG12-630W			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	10min (1.60V)	15min (1.67V)	1HR (92A, 1.75V)	10HR (15.5A, 1.80V)
	745W/cell	630W/cell	92Ah	155Ah
Dimensions (mm)	Length	Width	Height	Total Height
	483	174	219	227
Approx. Weight (kg)	47.0			
Reference Internal Resistance (mΩ)	2.2±15%(full charged @ 25°C,testing device:HIOKIBT3562)			
Self-Discharge (25°C)	≤ 2 % per month			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.40 (-3.5mV/°C/cell), max charge current:46.5A		2.27 (-3.5mV/°C/cell)	
Short Circuit Current (A)	3940(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	900	835	745	645	508	426	357	258	202	155	118	82.0	70.0	59.8	51.0	31.8
1.65	890	827	740	640	504	410	354	250	200	150	115	79.4	69.0	58.7	50.8	31.6
1.67	882	818	735	630	500	398	348	244	198	147	113	78.0	68.0	57.4	49.7	31.4
1.70	874	810	730	610	495	385	344	238	194	143	112	76.3	67.2	56.7	49.3	31.2
1.75	840	780	720	590	490	370	340	228	186	140	108	75.0	66.4	55.8	48.0	30.6
1.80	688	647	580	520	406	338	290	218	172	134	105	73.6	64.8	54.0	46.8	29.6

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	498	460	410	352	260	216	183	130	101	79.0	62.6	43.4	35.4	29.4	25.0	16.0
1.65	488	450	392	340	252	208	175	127	99.0	76.8	61.7	42.0	34.8	29.0	24.8	15.9
1.67	480	443	380	328	244	204	172	125	98.0	75.5	60.2	41.4	33.8	28.6	24.5	15.8
1.70	472	435	367	317	237	198	166	120	95.2	74.3	59.4	40.3	33.6	28.0	24.3	15.7
1.75	448	413	355	304	226	187	158	116	92.0	71.0	57.7	39.3	32.8	27.8	24.0	15.6
1.80	363	338	320	275	208	173	152	110	86.8	68.3	55.8	38.8	31.8	27.0	23.6	15.5

Performance Curve



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