

SP Series

SSP12-18F 12V18Ah

SP series VRLA battery uses AGM technology and high-purity raw materials. Its good floating back up and large current discharge performance makes it optimal and economical choice for UPS/EPS.

Benefits

- Long life according to EUROBAT Classification
- Maximum charge efficiency
- High gas recombination efficiency
- Low self-discharge rate
- Easy installation and handling
- Vertical installation

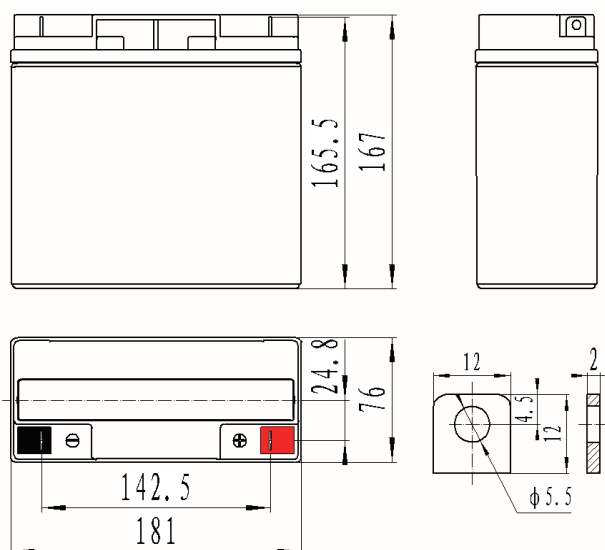
Applications

- UPS units
- Emergency power
- Fire and safety alarm system
- EPS units

Standards

- IEC 61056-1/2
- JIS C8702-1/2
- EUROBAT guide

Drawing



Specifications

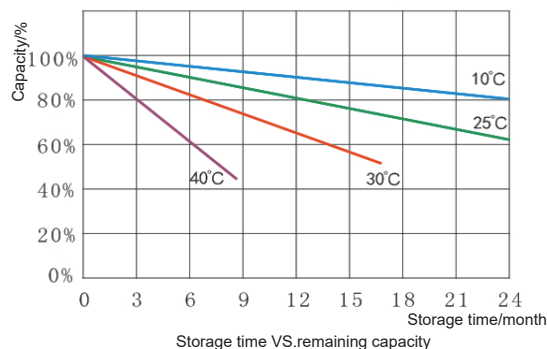
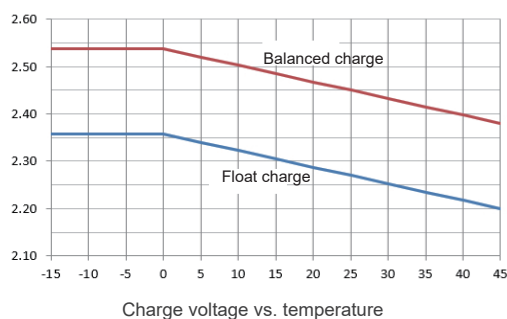
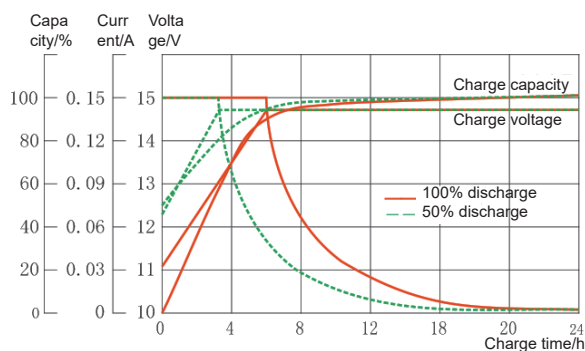
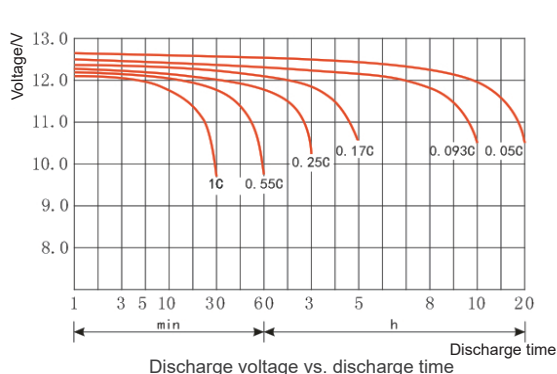
Battery Model	SSP12-18(F)			
Design Life (years, 25°C)	5			
Capacity (Ah, 25°C)	20HR (0.90A, 1.75V)	10HR (1.66A, 1.75V)	5HR (3.20A, 1.75V)	1HR(11.4A, 1.70V)
	18	16.6	16.0	11.4
Dimensions (mm)	Length	Width	Height	Total Height
	181	76	167	167
Approx. Weight (kg)	5.4			
Reference Internal Resistance (mΩ)	14±15%(full charged @ 25°C,testing device:HIOKIBT3562)			
Maximum Discharge Current (A/3 Sec.)	270			
Self-Discharge (25°C)	≤ 2% per month			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.45 (-3.5mV/°C/cell), max charge current: 5.4A		2.27 (-3.5mV/°C/cell)	
Short Circuit Current (A)	540(for reference only)			

Discharge Data

Constant Current Discharge Data (25°C, A)												
End Voltage (V/cell)	min					h						
	10	15	20	30	45	1	1.5	2	3	5	10	20
1.60	46.4	34.2	27.3	19.8	14.8	11.7	8.58	6.90	5.10	3.28	1.70	0.918
1.65	44.8	33.3	26.8	19.5	14.6	11.6	8.47	6.82	5.03	3.26	1.68	0.910
1.67	43.5	33.0	26.6	19.4	14.5	11.5	8.42	6.78	5.00	3.24	1.67	0.907
1.70	42.8	32.7	26.5	19.3	14.4	11.4	8.38	6.75	4.98	3.23	1.67	0.905
1.75	38.5	31.0	25.4	18.7	13.8	11.2	8.25	6.66	4.94	3.20	1.66	0.900
1.80	35.2	28.8	24.0	17.8	13.5	10.8	8.10	6.57	4.88	3.17	1.65	0.895

Constant Power Discharge Data (25°C, W/cell)												
End Voltage (V/cell)	min					h						
	10	15	20	30	45	1	1.5	2	3	5	10	20
1.60	84.6	64.4	52.4	38.4	28.8	23.0	16.8	13.6	10.0	6.54	3.40	1.83
1.65	82.5	63.0	51.6	37.8	28.6	22.8	16.7	13.5	9.95	6.48	3.38	1.82
1.67	81.0	62.7	51.3	37.6	28.4	22.7	16.6	13.4	9.94	6.47	3.37	1.81
1.70	79.6	62.4	51.0	37.5	28.2	22.6	16.6	13.4	9.93	6.46	3.37	1.80
1.75	72.0	59.4	49.0	36.4	27.4	22.0	16.4	13.2	9.85	6.40	3.35	1.78
1.80	66.6	55.7	46.8	35.0	26.5	21.7	16.0	13.0	9.75	6.35	3.33	1.76

Performance Curve



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