

SP Series

SP12-65 12V65Ah

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

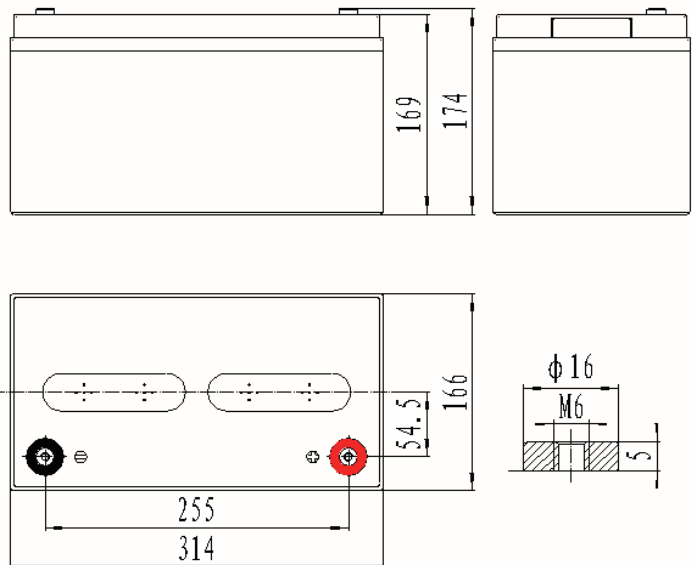
Applications

- UPS units
- Emergency power
- Starting generators
- EPS units

Standards

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

Drawing



Specifications

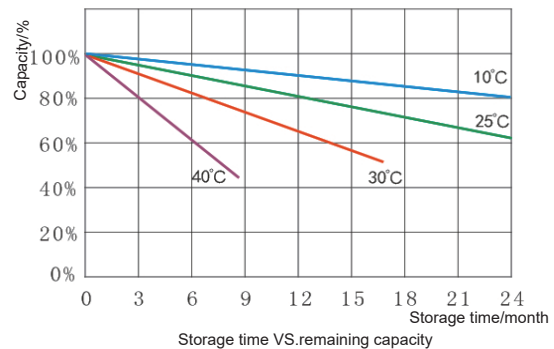
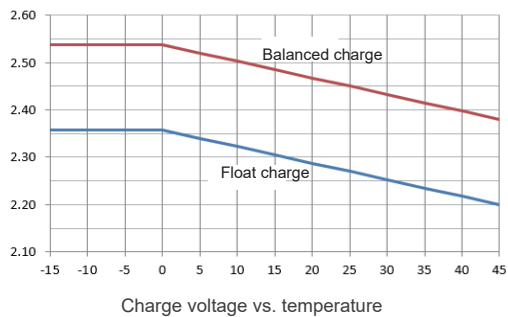
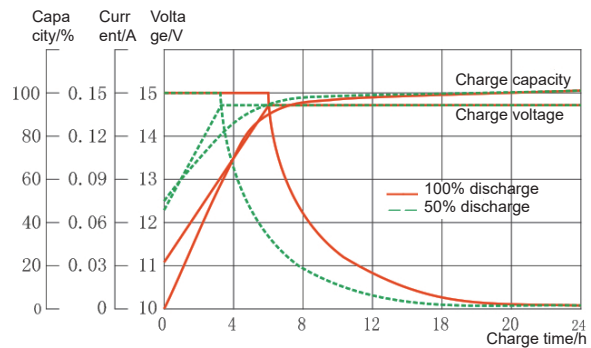
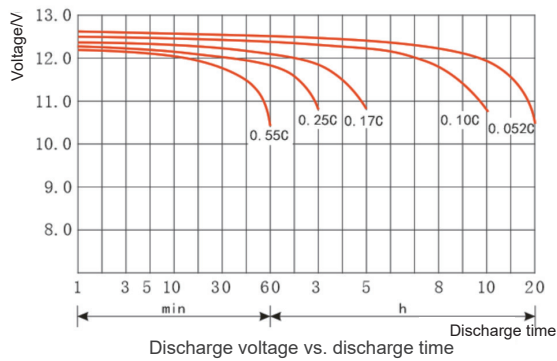
Battery Model	SP12-65			
Design Life (years, 25°C)	10			
Capacity (Ah, 25°C)	20HR (3.27A, 1.80V)	10HR (6.5A, 1.80V)	5HR (11.0A, 1.75V)	1HR(36.6A, 1.70V)
	65.4	65	55	36.6
Dimensions (mm)	Length	Width	Height	Total Height
	314	166	169	174
Approx. Weight (kg)	20.0			
Reference Internal Resistance (mΩ)	6.3 ±15%(full charged @ 25°C,testing device:HIOKIBT3562)			
Maximum Discharge Current (A/3 Sec.)	960			
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: 16.25 A		2.27 (-3.5mV/°C/cell)	
Short Circuit Current (A)	1900(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	144	120	96.5	72.2	50.2	38.3	28.8	23.4	18.0	11.7	6.92	3.63
1.65	138	115	92.8	70.0	48.6	37.4	28.0	23.0	17.5	11.4	6.85	3.56
1.67	135	113	91.2	69.1	48.1	37.0	27.9	22.7	17.3	11.3	6.80	3.52
1.70	132	110	89.6	68.2	47.5	36.6	27.7	22.3	17.0	11.3	6.75	3.48
1.75	128	107	86.8	66.7	46.3	35.8	27.0	21.8	16.7	11.0	6.65	3.38
1.80	122	102	83.6	64.7	45.0	34.6	26.5	21.5	16.3	10.7	6.50	3.27

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	250	208	167	130	103	76.3	62.8	46.5	33.7	21.4	13.6	7.12
1.65	242	202	160	127	100	73.8	60.3	45.7	33.3	21.2	13.4	7.02
1.67	239	199	158	124	98.9	72.8	59.5	45.4	33.2	21.1	13.3	6.95
1.70	235	196	155	120	97.7	71.8	58.6	45.0	33.0	21.0	13.2	6.88
1.75	224	187	148	117	94.0	69.5	56.6	44.2	32.6	20.8	13.0	6.80
1.80	212	177	140	110	89.8	66.8	54.5	43.5	32.2	20.6	12.8	6.68

Performance Curve



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