ALPHA HOUSE powered by SACRED SUN

SP Series

SP12-26F (12V26Ah)

The SP series VRLA battery utilises AGM technology and high-purity raw materials, providing excellent floating backup and high current discharge performance. This high-performance, economical range is designed for medium and long autonomies, making it an optimal choice for all UPS/EPS applications.

Benefits

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

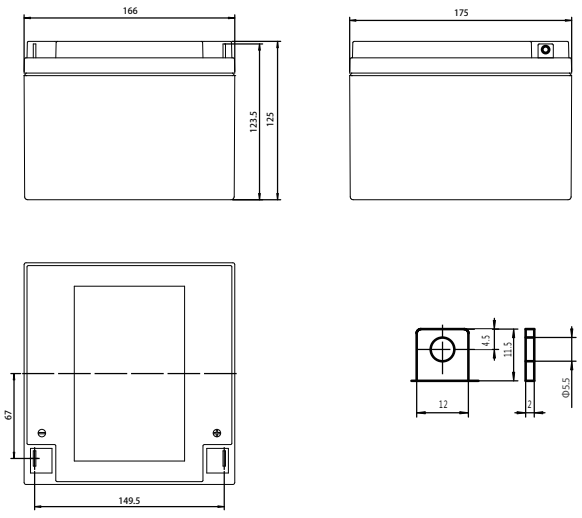
Applications

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

Standards

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

Drawing



Specifications

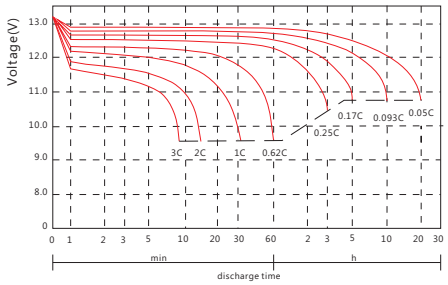
Battery Model	SP12-26(F)			
Design Life (years, 25℃)	10			
Capacity (Ah, 25℃)	20HR (1.3A, 1.75V)	10HR (2.42A, 1.75V)	5HR (4.74A, 1.75V)	1HR(16.37A, 1.70V)
	26	24.2	23.5	16.37
Dimensions (mm)	Length	Width	Height	Total Height
	166	175	125	125
Approx. Weight (kg)	8.0			
Reference Internal Resistance (mΩ)	8.8 (full charged @ 25℃)			
Maximum Discharge Current (A/5 Sec.)	390			
Self-Discharge (25℃)	⩽3% per month			
Charge Voltage (V/cell, 25℃)	Cycle use		Float use	
	2.45 (-3.5mV/℃/cell), max charge current: 7.8 A		2.27 (-3.5mV/℃/cell)	
Short Circuit Current (A)	670			

Discharge Data

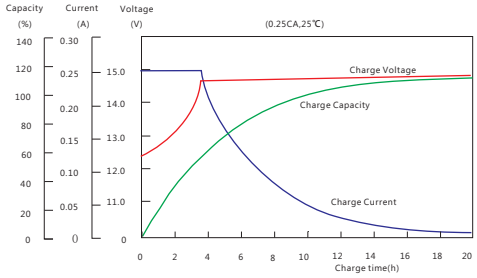
Constant Current Discharge Data (25℃, A)												
End Voltage (V/cell)	min					h						
	10	15	20	30	45	1	1.5	2	3	5	10	20
1.60	63.26	50.31	41.07	29.20	20.62	16.72	11.90	9.620	7.140	4.779	2.456	1.317
1.65	61.32	49.07	40.48	28.96	20.45	16.61	11.83	9.553	7.102	4.757	2.447	1.312
1.67	59.79	48.36	39.98	28.67	20.29	16.50	11.76	9.509	7.073	4.739	2.438	1.308
1.70	58.36	47.61	39.47	28.35	20.09	16.37	11.68	9.451	7.032	4.717	2.427	1.303
1.75	56.94	46.80	39.00	28.08	19.93	16.26	11.61	9.404	7.003	4.701	2.420	1.300
1.80	53.30	44.65	37.71	27.35	19.49	15.96	11.42	9.307	6.947	4.670	2.405	1.294

Constant Power Discharge Data (25℃, W/cell)												
End Voltage (V/cell)	min					h						
	10	15	20	30	45	1	1.5	2	3	5	10	20
1.60	118.6	96.04	79.25	56.75	40.32	32.86	23.48	19.05	14.18	9.520	4.909	2.636
1.65	115.4	93.92	78.37	56.43	40.11	32.74	23.41	18.96	14.15	9.498	4.902	2.634
1.67	112.9	92.86	77.68	56.06	39.91	32.59	23.31	18.92	14.12	9.485	4.895	2.633
1.70	110.7	91.68	76.81	55.54	39.58	32.40	23.20	18.84	14.06	9.458	4.880	2.627
1.75	108.4	90.38	76.08	55.12	39.35	32.23	23.12	18.78	14.03	9.445	4.877	2.626
1.80	101.9	86.52	73.76	53.84	38.60	31.73	22.80	18.64	13.96	9.404	4.858	2.619

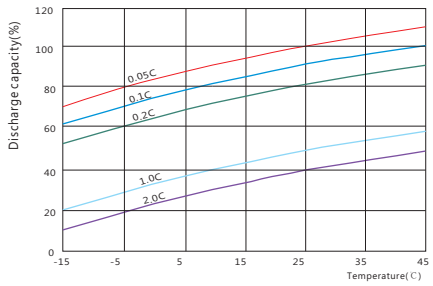
Performance Curve



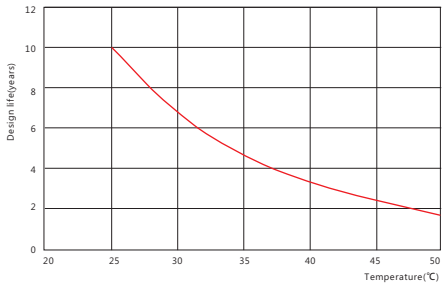
Discharge voltage vs. discharge time



Charge capacity vs. charge time



Discharge capacity vs. temperature



Design life vs. temperature

ISO9001 CEPREI ISO14001 CEPREI ISO18001 SA8000

Disclaimer: The manufacturer reserves the right to amend and/or vary the specifications and parameters of the product and apply updates accordingly at any time. It is the sole responsibility of the buyer and user of the product to ensure all applicable product specifications referred to are valid, applicable and up to date at all times. All product specifications are available upon written request to Alpha House Ltd. All batteries must be installed, used and maintained at all times in accordance with standard BS EN IEC 62485-2:2018, and specifically installed, used and maintained at all times in accordance with manufacturer's guidelines and product specification documentation. (All top terminal, front terminal and top vented batteries must be positioned horizontally, plumb and level at all times unless specified otherwise by the manufacturer. Further details are available upon written request to Alpha House Ltd.)