



Battery Specification Approval Sheet

Product Features

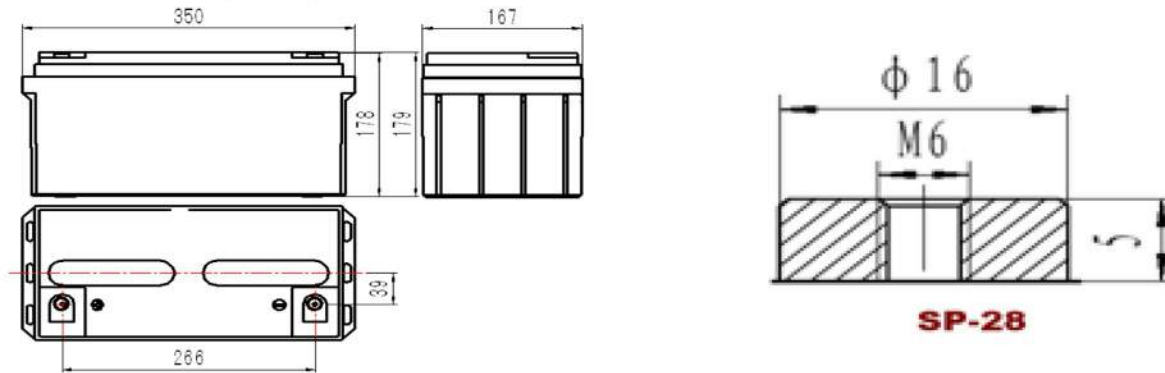
- High tin low calcium alloy grids designed to resist corrosion;
- Patent multi-layer polarity sealing structure, safety and reliable leakage-proof performance
- Patent composite grid structure and plate of high humidity and high temperature curing process which prolong life;
- High purity raw and auxiliary materials, low self discharge

Application

- UPS/EPS
- Emergency lighting
- Communication equipment;
- Renewable Energy
- Power tool
- Universal

Compliant Standards

- GB/T 19639.1-2005;
- IEC 61056-1/2: 2002
- JIS C8702-1/2: 2009;
- Passed ISO9001、ISO14001、OHSAS18001、UL and CE certificates



Battery Model	SP12-80			
Designed Life	10 Years			
Capacity(25°C)	20HR(4.0A,1.75V)	10HR(7.44A,1.75V)	5HR(13.5A,1.75V)	1HR(48.0A,1.70V)
	80AH	74.4AH	67.5AH	48AH
Dimensions	Length	Width	Height	Total Height
	350mm	167mm	179mm	179mm
Approx. Weight	23.2kg			
Internal Resistance	4.5mΩ			
Maximum Discharge Current	960A(5 Sec.)			
Self Discharge	≤2% per months (25°C)			
Charge Voltage(25°C)	Cycle use		Float use	
	14.7V(-24mV/°C), max charge current:24A		13.62V(-18mV/°C)	



Discharge parameter:

Constant current discharge data (25°C, A)													
End voltage (V/cell)	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	5h	10h	20h
1.60	261.0	181.0	137.0	110.0	82.60	61.80	49.41	36.42	29.18	21.08	13.74	7.630	4.080
1.65	249.0	176.0	133.0	108.0	81.10	60.70	48.60	36.12	28.95	20.89	13.66	7.570	4.060
1.70	234.0	166.7	129.2	105.3	80.00	59.80	48.00	35.82	28.75	20.71	13.57	7.520	4.040
1.75	212.0	157.0	124.7	102.4	78.10	58.40	46.90	35.45	28.50	20.56	13.50	7.440	4.000
1.80	188.6	146.0	120.0	98.50	75.30	56.50	45.70	34.82	28.14	20.33	13.41	7.360	3.950

Constant power discharge data (25°C, W/cell)													
End voltage	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	5h	10h	20h
1.60	440.0	320.0	248.0	203.3	150.6	114.2	91.68	69.36	55.50	40.20	26.48	14.98	7.940
1.65	428.0	315.0	246.0	199.9	148.8	112.2	90.76	68.69	55.07	39.99	26.34	14.79	7.890
1.70	408.0	307.0	242.0	196.3	147.3	110.8	89.59	68.30	54.65	39.84	26.25	14.67	7.860
1.75	376.0	289.0	234.0	193.1	145.1	109.1	88.42	67.69	53.99	39.62	26.13	14.52	7.830
1.80	336.7	269.0	224.0	187.3	141.2	106.9	86.66	66.90	53.23	39.30	25.98	14.35	7.760

Performance Curve:

