

lead-acid battery 12V17AH

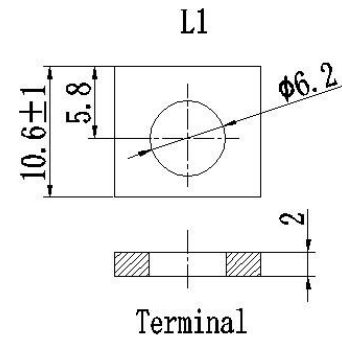
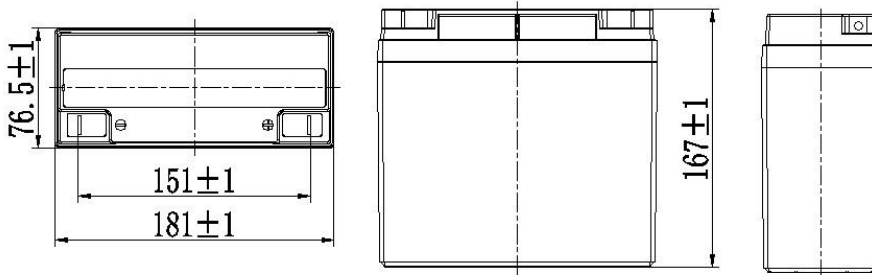
General Features

- ▶ High corrosion resistant performance: Pb-Ca multi-alloy grid
- ▶ High energy density and power density
- ▶ Optimized capability of instant high-current discharging
- ▶ Excellent charge acceptance ability
- ▶ Excellent deep cycle discharge capability
- ▶ Strong high and low temperature performance
- ▶ Precision sealing technology



Dimension: 181(L) × 76(W) × 167(H) × 167(TH) / (±2.0)

Unit: mm



Specification	
Nominal Voltage	12V
Nominal Capacity	17Ah
Design life	5 years
Terminal	L1
Approx. Weight	Approx. 5.0kg±3% (11lbs±3%)
Container Material	ABS
short-circuit current	645A
Internal resistance(Full charged at 25°C:)	18.6 mΩ
Self discharge	3% of capacity declined per month at 25°C
Operating Temperature	
Discharge:	-20 ~50°C(-4~ 122°F)
Charge :	-20 ~50°C(-4~ 122°F)
Storage:	-20 ~50°C(-4~ 122°F)
Charge Method(25 °C)	
Charge current:	Max. 4.25A;Recom. 1.7A
Float charge:13.5-13.8V	recom.13.8V(-18mV/ °C)
Equalize charge:13.8-14.1V	recom.14.1V(-24mV/ °C)
Cycle charge:14.4-15.0V	recom.14.7V(-30mV/ °C)

Standards

Executive standard: IEC 61056-2,
GB/T 19639.1-2014

Applications

- ▶ UPS/EPS
- ▶ Power systems
- ▶ Telecommunications system
- ▶ Emergency lighting, Auto control system
- ▶ Solar/wind generating storage cyclic
- ▶ Other general purpose

Rated Capacity

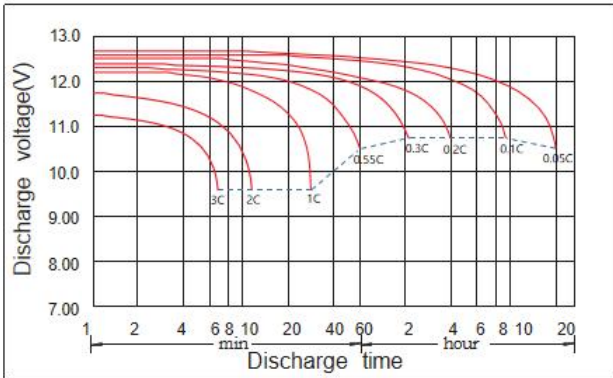
20Hour Rate (0.85A to 10.5V)	17Ah
3Hour Rate (4.43A to 10.2V)	13.3Ah
1Hour Rate (10.51A to 9.6V)	10.51Ah

Attain Certificate

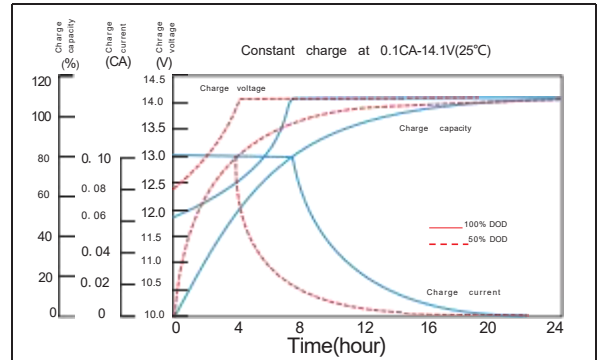


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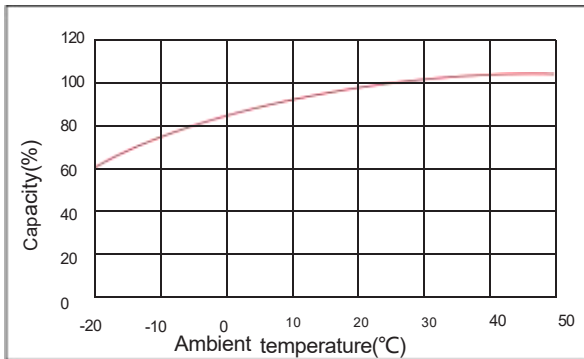
Discharge characteristic



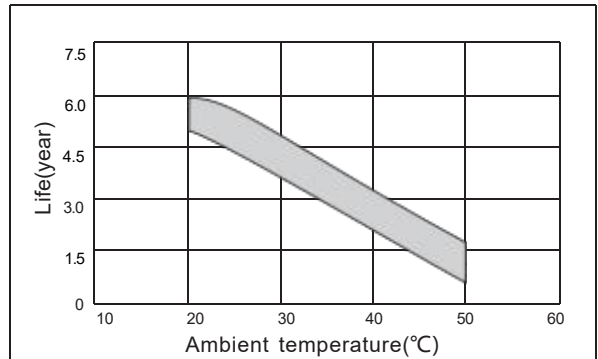
Charging characteristic



The effect of temperature on capacity



The effect of temperature on float life



Constant Current Discharge Characteristics Unit:A (25 ,77)

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	63.03	43.84	31.97	18.88	13.39	10.51	7.52	6.30	4.75	3.75	3.15	2.695	2.038	1.670	0.881
1.65V	59.53	41.32	30.24	17.94	12.76	10.02	7.26	6.10	4.60	3.65	3.07	2.638	2.015	1.650	0.867
1.70V	54.26	38.34	28.33	17.33	12.32	9.66	7.03	5.90	4.43	3.55	2.99	2.552	1.984	1.625	0.857
1.75V	49.10	35.87	27.32	16.56	11.73	9.31	6.74	5.69	4.34	3.46	2.91	2.475	1.957	1.607	0.850
1.80V	43.11	32.50	25.22	15.83	11.29	8.95	6.55	5.53	4.21	3.36	2.84	2.387	1.923	1.588	0.838
1.85V	34.22	26.41	20.93	13.63	9.85	8.03	6.05	5.03	3.89	3.12	2.65	2.271	1.806	1.490	0.789

Constant Power Discharge Characteristics Unit: W/cell (25 ,77)

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	105.51	72.34	55.30	34.29	25.32	19.77	14.37	11.94	8.98	7.19	6.07	5.219	3.981	3.284	1.735
1.65V	99.82	70.09	53.65	33.27	24.06	19.24	14.15	11.61	8.77	7.02	5.93	5.043	3.944	3.248	1.710
1.70V	93.05	66.75	51.00	32.12	23.04	18.37	13.68	11.29	8.53	6.86	5.80	4.916	3.892	3.203	1.693
1.75V	86.08	64.12	49.90	31.01	22.60	17.97	13.18	10.95	8.40	6.71	5.67	4.807	3.846	3.165	1.680
1.80V	77.19	59.06	46.73	29.94	21.82	17.22	12.85	10.70	8.17	6.54	5.55	4.704	3.789	3.119	1.658
1.85V	62.56	49.12	39.33	26.04	19.38	15.66	11.83	9.77	7.59	6.10	5.19	4.485	3.565	2.950	1.563