

lead-acid battery 12V7.2AH

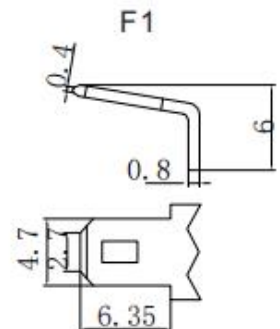
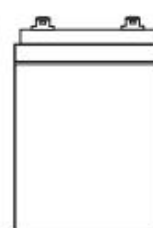
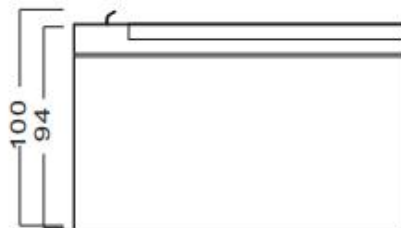
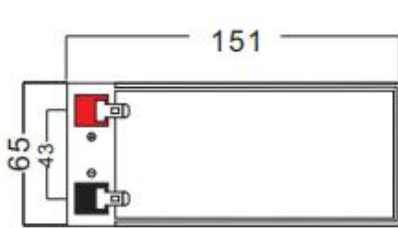
General Features

- ▶ 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: 151(L) × 65(W) × 94(H) × 100(TH)

Unit: mm



Terminal

Specification	
Nominal Voltage	12V
Nominal Capacity	7.2Ah
Design life	5 years
Terminal	F1/F2
Approx. Weight	Approx. 2.12kg ± 3% (4.67lbs ± 3%)
Container Material	ABS
short-circuit current	400A
Internal resistance(Full charged at 25°C:)	30.0 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. 2.00A;Recom.0.80A
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 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

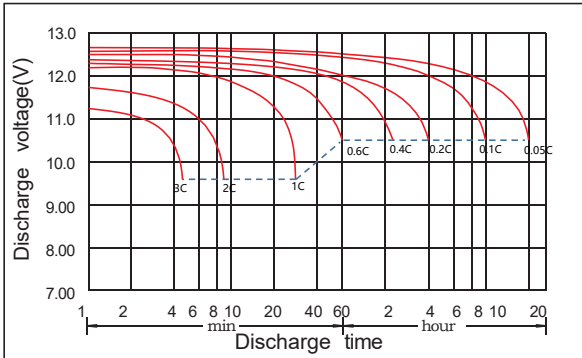
20Hour Rate (0.36A to 10.5V)	7.2Ah
3Hour Rate (1.88A to 10.2V)	5.64Ah
1Hour Rate (4.45A to 9.6V)	4.45Ah

Attain Certificate

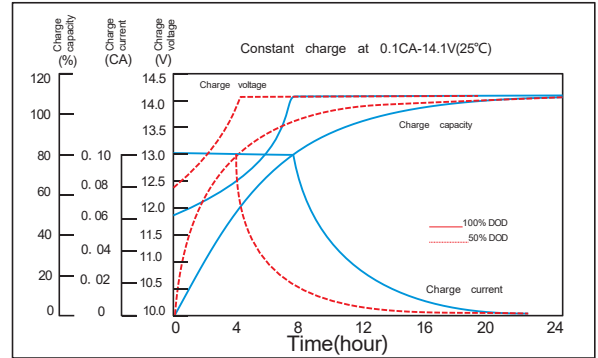


lead-acid battery 12V7.2AH

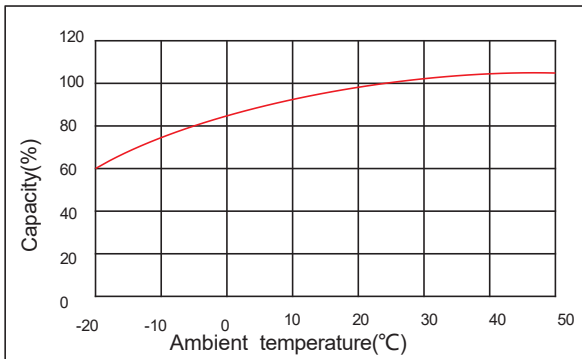
Discharge characteristic



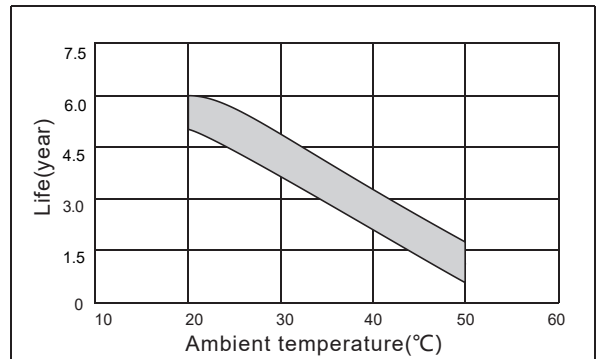
Charging characteristic



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	26.70	18.57	13.54	8.00	5.67	4.45	3.19	2.67	2.01	1.59	1.33	1.141	0.863	0.708	0.373
1.65V	25.21	17.50	12.81	7.60	5.40	4.24	3.08	2.58	1.95	1.54	1.30	1.117	0.854	0.699	0.367
1.70V	22.98	16.24	12.00	7.34	5.22	4.09	2.98	2.50	1.88	1.50	1.26	1.081	0.840	0.688	0.363
1.75V	20.80	15.19	11.57	7.01	4.97	3.94	2.85	2.41	1.84	1.46	1.23	1.048	0.829	0.681	0.360
1.80V	18.26	13.77	10.68	6.70	4.78	3.79	2.77	2.34	1.78	1.42	1.20	1.011	0.815	0.673	0.355
1.85V	14.49	11.19	8.86	5.77	4.17	3.40	2.56	2.13	1.65	1.32	1.12	0.962	0.765	0.631	0.334

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	44.69	30.64	23.42	14.52	10.72	8.37	6.09	5.06	3.80	3.05	2.57	2.210	1.686	1.391	0.735
1.65V	42.28	29.69	22.72	14.09	10.19	8.15	5.99	4.92	3.71	2.98	2.51	2.136	1.670	1.376	0.724
1.70V	39.41	28.27	21.60	13.60	9.76	7.78	5.80	4.78	3.61	2.91	2.46	2.082	1.648	1.357	0.717
1.75V	36.46	27.16	21.13	13.14	9.57	7.61	5.58	4.64	3.56	2.84	2.40	2.036	1.629	1.341	0.712
1.80V	32.69	25.01	19.79	12.68	9.24	7.29	5.44	4.53	3.46	2.77	2.35	1.992	1.605	1.321	0.702
1.85V	26.50	20.80	16.66	11.03	8.21	6.63	5.01	4.14	3.21	2.58	2.20	1.900	1.510	1.249	0.662