

12V, 24AH**12V24Ah / 20hr****SAFi****Introduction**

SAFi Maintenance Free Battery is designed for standby use with 5-year design life in float service. The series battery is featured of high consistency, excellent performance and reliable standby service life. It is widely applied in UPS/EPS, medical equipment, emergency light and security system.

Battery Features

- Outstanding consistency in Standby system
- Stable quality and high pass rate
- 5 years design life in floating condition
- Low self-discharge rate

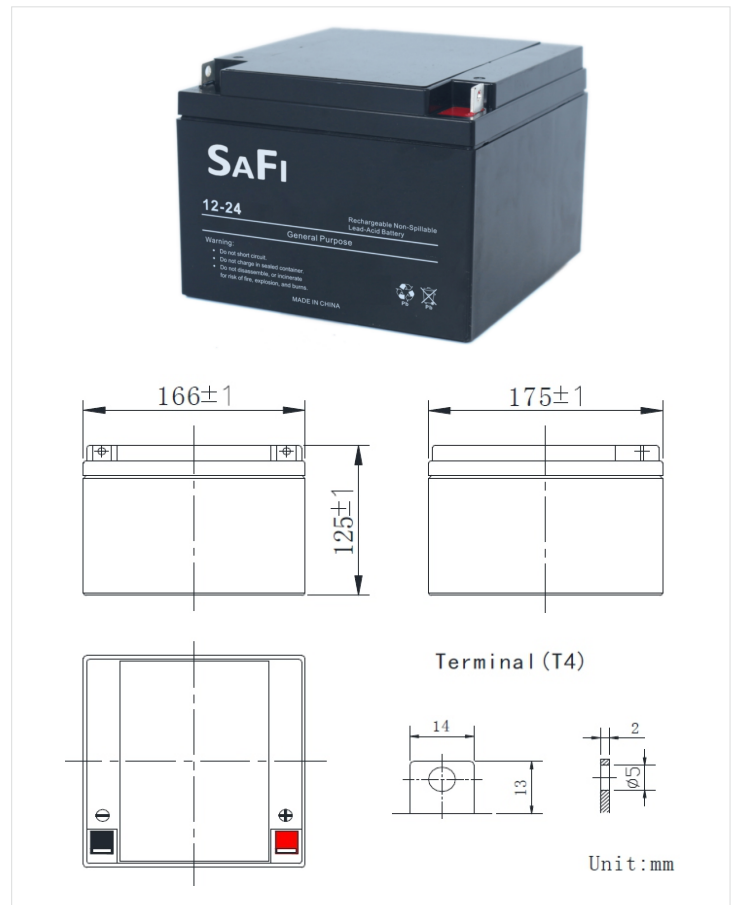
Electrical Specification

Design floating Life @ 20°C (68°F)	5 years
Nominal Capacity @ 25°C / 77°F	
20 hourrate 1.20 A to 1.75Vpc	24.0 Ah
10 hourrate 2.27 A to 1.75Vpc	22.7 Ah
5 hourrate 4.19 A to 1.70Vpc	21.0 Ah
1 hourrate 15.6 A to 1.60Vpc	15.6 Ah
Internal Resistance	
(Fully charged battery @ 25°C / 77°F)	12 mOhms
Max. Discharge Current @ 25°C / 77°F	360A (5S)
Charge Methods: Constant voltage charge @ 25°C / 77°F	
Cycle Use	14.7 ~ 14.9V
Max. Current	5.7A
Standby Use	13.6 ~ 13.8V
Operating Temperature Range	
Discharge	-15 ~ 35°C
Charge	0 ~ 35°C
Storage	-15 ~ 35°C
Recommended Operating Temp	15 ~ 25°C
Self-Discharge	

3% of capacity declined per month @ 20°C (68°F). The batteries may be stored for up to 6 months @ 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.

Typical Applications

- UPS & EPS
- Security Power Supply
- Power Utility
- Electrical Toys

Battery Picture**Dimension and Weight**

Length	Dimension (± 1mm)			Weight (± 2%)	Terminal
	Width	Height	Total Height		
166 mm	175 mm	125 mm	125 mm	7.5 kg	T4
6.5 inch	6.9 inch	4.9 inch	4.9 inch	16.5 lbs	

Constant Current Discharge* (Amperes @25 / 77°F)

V/cell	15min	30min	1hr	3hr	5hr	10hr	20hr
1.60	47.04	28.65	15.56	5.70	4.33	2.37	1.24
1.65	45.05	27.57	15.20	5.55	4.26	2.34	1.24
1.70	43.06	26.46	14.84	5.43	4.19	2.30	1.20
1.75	41.07	25.43	14.48	5.25	4.13	2.27	1.20
1.80	39.09	24.46	14.12	5.07	4.06	2.23	1.17

Constant Power Discharge* (Watts/cell @25 / 77°F)

V/cell	15min	30min	1hr	3hr	5hr	10hr	20hr
1.60	90.10	53.72	31.85	12.24	7.91	4.81	2.62
1.65	86.45	51.57	30.40	11.93	7.77	4.77	2.55
1.70	82.81	49.78	28.95	11.62	7.63	4.72	2.50
1.75	79.83	47.63	27.51	11.28	7.50	4.66	2.49
1.80	76.19	45.84	26.46	10.90	7.29	4.60	2.36

*The mentioned data are derived from of sample test result, for reference only.

Certificates

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