CHEE YUEN BATTERY

CA121200 [12V120AH]

Features:

- Maintenance-free operation
- Stable quality and high reliability
- Compact design
- 10 years design time (at 25°C)

Certificate No.0194-2001-AQ-RGC-UKAS

ISO 14001:2004

ISO 9001:2008

MH26038

Applications

- UPS
- Emergency lighting
- Fire alarm and security systems
- Telecommunication system
- Backup power for testing and measuring instruments
- Alarm and security system
- Electronic apparatus and equipment
- Communication power supply
- DC power supply
- Auto control system

Specifications

Nominal Voltage	12V(6cells)	
Nominal Capacity	120AH (10hr,1.80V/cell,25°C/77°F)	
	102AH (5hr,1.75V/cell,25°C/77°F)	
	72AH (1hr,1.60V/cell,25°C/77°F)	
Dimension	Length	405±2mm
	Width	172±2mm
	Container Height	208±2mm
	Total Height(with Terminal)	237±3mm
Approx Weight	Approx 37.5Kg	
Terminal	T5 or F7	
Container Material	ABS	
Max. Discharge Current	1200A(5S)	
Internal Resistance	Approx 4.5mΩ	

Operationg Temp Range	Discharge: -15—50℃(5—122℉)
	Charge : 0—40℃(32—104℉)
	Storage : -15—40℃(5—104℉)
Nominal Operating Temp. Range	25±3°C(77±5°F)
Cycle Use	14.4~14.8V(25°C/77°F)Temp.Coefficient-30mV/°C
	Initial Charging Current Less than 36A
Standby Use	13.5V~13.8V(25°C/77°F)Temp.Coefficient-20mV/°C
	No limit on Initial Charging Current
Capacity affected by Temperature	40°C(104°F) 103%
	25°C(77°F) 100%
	0°C(32°F) 86%
Self Discharge	CASIL CA series batteries may be stored for up to 6months at 25°C(77°F)and then a freshening charge is required. For higher temperatures the time interval will be shorter.

Constant Current Discharge(Amperes at 25°C/77 °F)

F.V/Time	10min	15min	30min	45min	1h	2h	3h	5h	10h	20h
1.80V/cell	215	175	109	84	68.4	40.0	30.0	20.6	12.1	6.24
1.70V/cell	252	205	118	90	72.6	42.2	31.4	21.4	12.4	6.42
1.60V/cell	282	227	130	97	78.0	44.6	32.9	22.2	12.6	6.60

Constant Power Discharge(Watts per cell at 25°C/77 °F)

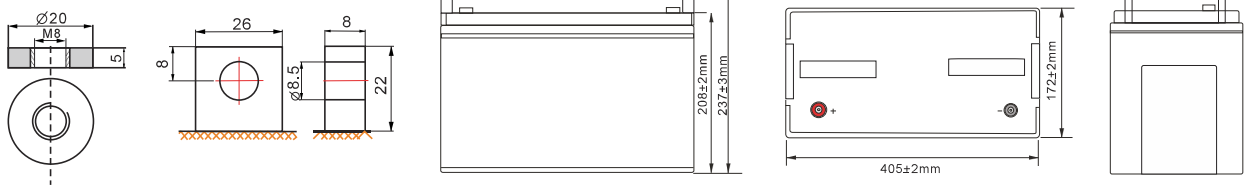
F.V/Time	10min	15min	30min	45min	1h	2h	3h	5h	10h	20h
1.80V/cell	394	332	205	160	133.2	76.9	58.2	40.8	24.0	12.35
1.70V/cell	444	367	221	172	138.1	80.9	60.0	41.9	24.4	12.67
1.60V/cell	484	397	240	181	147.1	84.2	62.9	43.0	24.6	12.98

Note: The above characteristics data are average values obtained within three charge/discharge cycles, not the minimum values.

Dimensions

Unit:mm [inches]

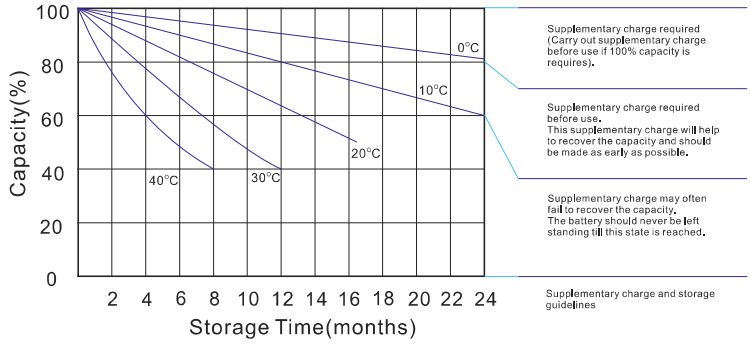
■ T5 Terminal F7 Terminal



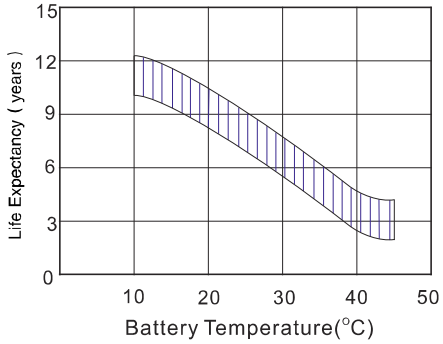
CHEE YUEN BATTERY

CA121200 [12V120AH]

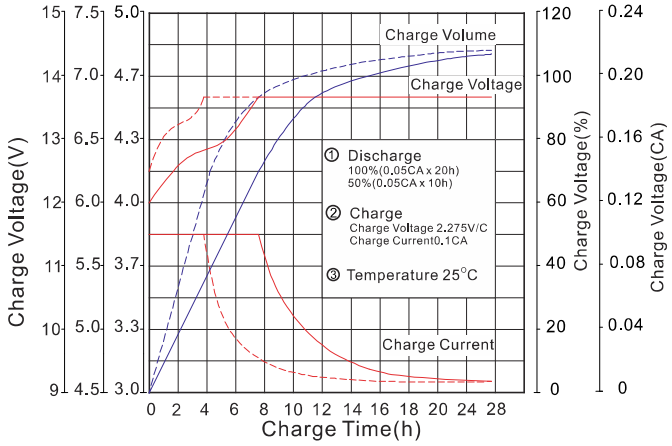
Storage characteristics



Effect of temperature on long term float life

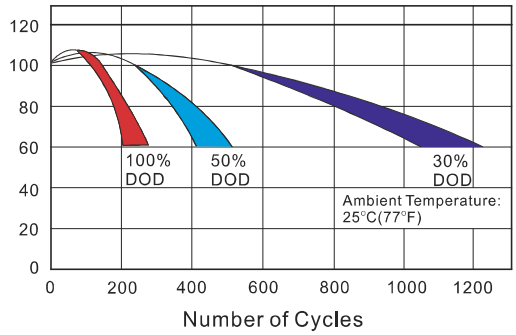


Charge characteristic Curve for standby use

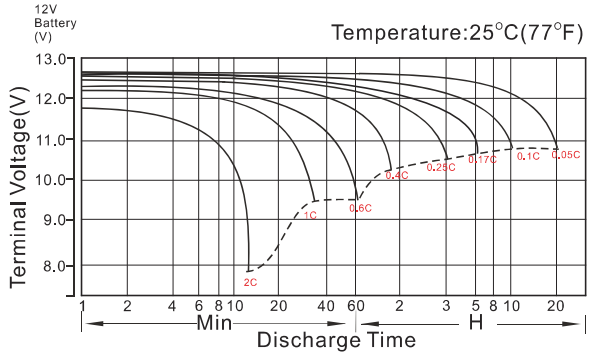


Cycle Life in Relation to Depth of Discharge

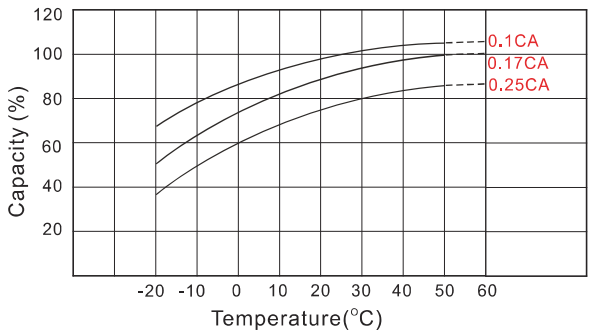
Testing condition
Discharging: current 0.17C(FV 1.7V/cell);
Charging: current 0.25C max, voltage 2.45V/cell;
Charging volume:125% of discharged capacity.



Discharge characteristic Curve



Temperature Effects in Relation to Battery Capacity



This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice.

CHEE YUEN PLASTIC PRODUCTS (HUIZHOU) CO.,LTD.
Address: China Aerospace Industrial Park, ZhongKai Road, Huizhou, Guangdong Province, China.
Tel:0086-752-2627636 2606104
Fax:0086-752-2601574
Http://www.casilbattery.com

CHEE YUEN INDUSTRIAL CO.,LTD.
Address: 18/F.,CHINA AEROSPACE CENTER, 143 HOIBUNROAD, KWUNTONG,KOWLOON,HK
Tel:(852)2389 3368 FAX:(852)2389 3378
Http://www.globalsources.com/cheeyuen.co
Http://www.casilbattery.com