



CA122500(12V250AH)

Features:

- ◆ Maintenance-free operation
- ◆ Stable quality and high reliability
- ◆ Compact design



Certificate No. 0194-2001-AQ-RGC-UKAS
ISO 14001:2004
ISO 9001:2008



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)	Operating Temp Range	Discharge: -15—50°C(5—122°F)
Nominal Capacity	250AH (10hr,1.80V/cell,25°C/77°F) 213AH (5hr,1.75V/cell,25°C/77°F) 150AH (1hr,1.60V/cell,25°C/77°F)		Charge : 0—40°C(32—104°F) Storage : -15—40°C(5—104°F)
Dimension	Length	Nominal Operating Temp. Range	25±3°C(77±5°F)
	Width	Cycle Use	14.4~14.8V(25°C/77°F)Temp.Coefficient-30mV/°C Initial Charging Current Less than 75A
	Container Height	Standby Use	13.5V~13.8V(25°C/77°F)Temp.Coefficient-20mV/°C No limit on Initial Charging Current
	Total Height(with Terminal)	Capacity affected by Temperature	40°C(104°F) 103% 25°C(77°F) 100% 0°C(32°F) 86%
Approx Weight	Approx 73.0Kg	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.
Terminal	T5 or F7		
Container Material	ABS		
Max. Discharge Current	2500A(5S)		
Internal Resistance	Approx 2.5mΩ		

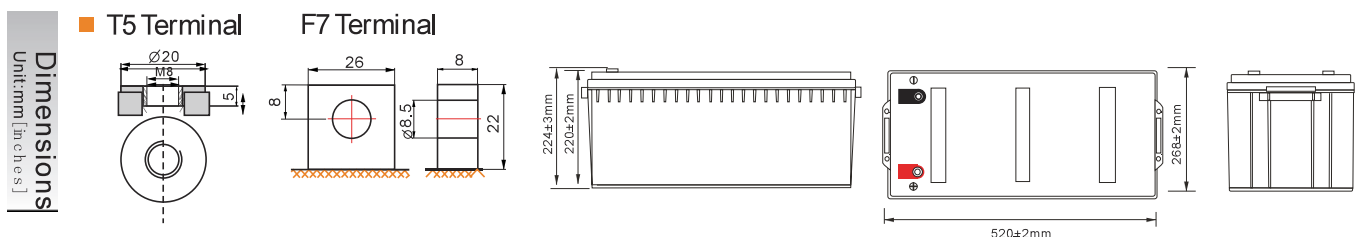
Constant Current Discharge(Amperes at 25°C/77 °F)

F.V/Time	10min	15min	30min	45min	1h	2h	3h	5h	10h	20h
1.80V/cell	448	365	228	175	142.5	83.3	62.5	43.0	25.3	13.00
1.70V/cell	525	428	245	188	151.3	88.0	65.5	44.5	25.8	13.38
1.60V/cell	588	473	270	203	162.5	93.0	68.5	46.3	26.3	13.75

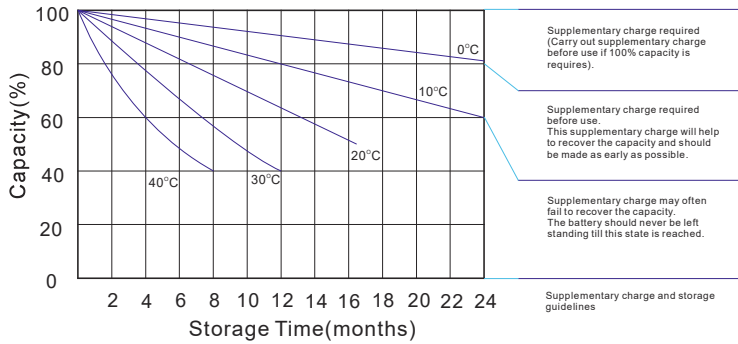
Constant Power Discharge(Watts per cell at 25°C/77 °F)

F.V/Time	10min	15min	30min	45min	1h	2h	3h	5h	10h	20h
1.80V/cell	820	683	428	333	277.5	160.3	121.3	85.0	50.0	20.73
1.70V/cell	925	765	460	358	287.8	168.5	126.3	87.3	50.8	26.40
1.60V/cell	1008	828	500	378	306.5	175.5	131.0	89.5	51.3	27.05

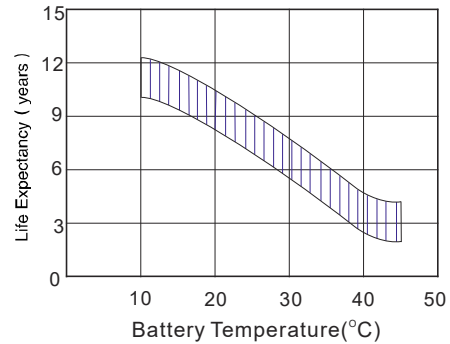
Note: The above characteristics data are average values obtained within three charge/discharge cycles, not the minimum values.



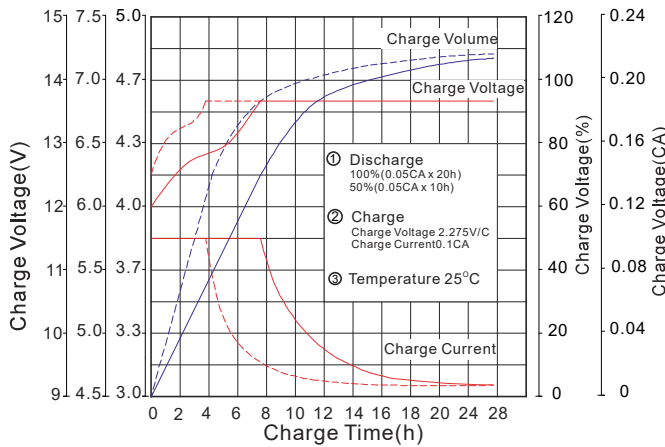
Storage characteristics



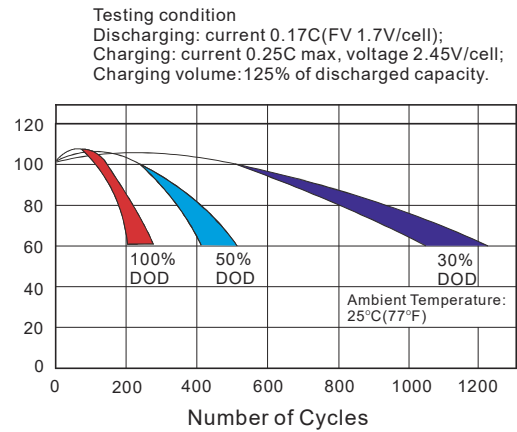
Effect of temperature on long term float life



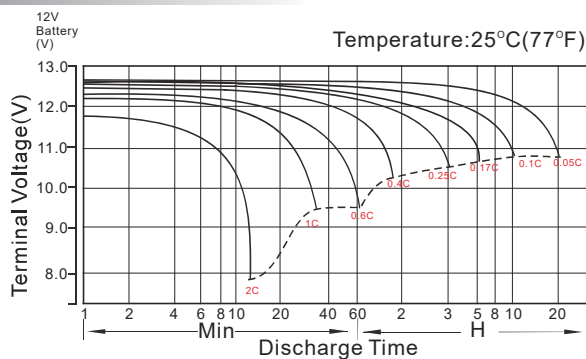
Charge characteristic Curve for standby use



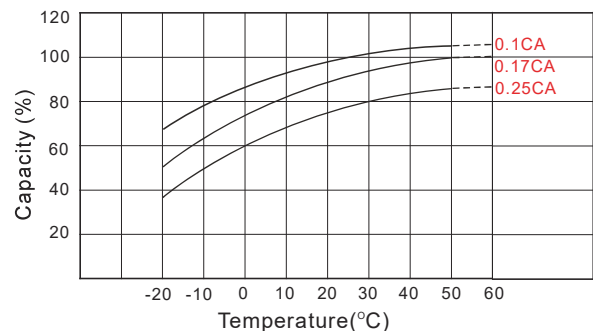
Cycle Life in Relation to Depth of Discharge



Discharge characteristic Curve



Temperature Effects in Relation to Battery Capacity



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