

Features:

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



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	9.0AH (20hr,1.75V/cell,25°C/77°F)
	7.65AH (5hr,1.75V/cell,25°C/77°F)
	5.40AH(1hr,1.60V/cell,25°C/77°F)
Dimension	Length 151±1mm
	Width 65±1mm
	Container Height 95±2mm
	Total Height(with Terminal) 102±2mm
Weight	2460G ± 3%
Terminal	F1
Container Material	ABS UL 94 V2
Max. Discharge Current	135A(5S)
Internal Resistance	Approx 19mΩ

Operating Temp Range	Discharge: -15—50°C(5—122°F)
	Charge : 0—40°C(32—104°F)
Nominal Operating Temp. Range	Storage : -15—40°C(5—104°F)
	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 2.70A
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(Ampere at 25°C/77 °F)

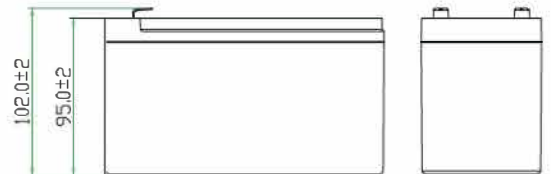
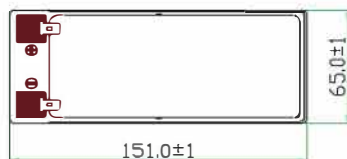
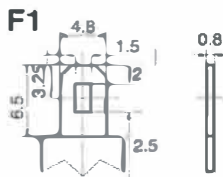
F.V/Time	5min	10min	15min	30min	45min	1h	3h	4h	5h	6h	8h	10h	20h
1.60V	28.8	22.5	15.3	8.5	7.2	5.40	2.3	1.87	1.59	1.40	1.22	0.843	0.468
1.67V	28.2	22.1	15.0	8.3	7.06	5.29	2.3	1.85	1.58	1.39	1.21	0.834	0.464
1.70V	27.7	21.6	14.7	8.1	6.91	5.19	2.3	1.84	1.56	1.38	1.19	0.826	0.459
1.75V	27.1	21.2	14.4	8.0	6.78	5.08	2.25	1.80	1.53	1.35	1.17	0.810	0.450
1.80V	26.6	20.8	14.1	7.8	6.64	4.98	2.21	1.76	1.50	1.32	1.15	0.794	0.441

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

F.V/Time	5min	10min	15min	30min	45min	1h	3h	4h	5h	6h	8h	10h	20h
1.60V	51.8	40.5	27.5	15.2	13.7	10.3	4.68	3.75	3.18	2.81	2.43	1.69	0.936
1.67V	50.8	39.7	27.0	14.9	13.4	10.1	4.64	3.71	3.15	2.78	2.41	1.67	0.927
1.70V	49.8	38.9	26.4	14.6	13.1	9.9	4.59	3.67	3.12	2.75	2.39	1.65	0.918
1.75V	48.8	38.1	25.9	14.3	12.9	9.7	4.50	3.60	3.06	2.70	2.34	1.62	0.900
1.80V	47.8	37.4	25.4	14.0	12.6	9.5	4.41	3.53	3.00	2.65	2.29	1.59	0.882

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

Terminal



Dimensions
Unit:mm [Inches]

