

Specification

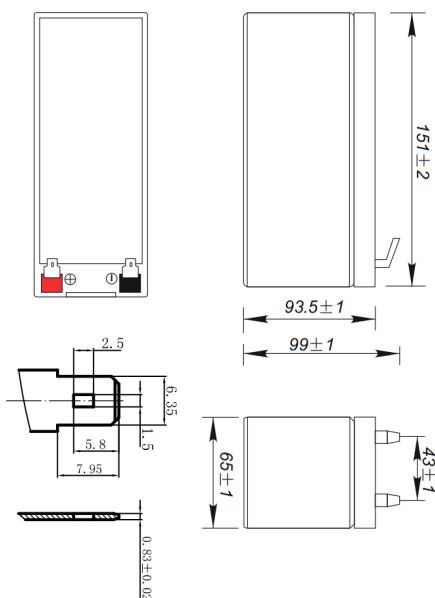
Article number:460-6300

Nominal Voltage	12V
Nominal Capacity(20HR)	7Ah
Dimensions	Length 151mm (5.95 inches)
	Width 65mm (2.56 inches)
	Container Height 93.5mm (3.70 inches)
	Total Height (with Terminal) 99mm (3.92 inches)
Approx Weight	Approx 2.50 kg (5.51 lbs)
Terminal	T1
Container Material	ABS
Rated Capacity	7.0Ah / 0.350A (20hr,10.5V,25°C/77°F)
	6.92Ah / 0.692A (10hr,10.5V,25°C/77°F)
	6.40Ah / 1.28A (5hr,10.5V,25°C/77°F)
	4.88Ah / 4.88A (1hr,9.6V,25°C/77°F)
Max. Discharge Current	105A (5s)(25°C/77°F)
Internal Resistance	Fully charged battery(25°C/77°F) Approx 28mΩ
Operating Temp.Range	Discharge : -15~50°C (5~122°F)
	Charge : -20~40°C (-4~104°F)
	Storage : -15~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)
Cycle Use	Initial Charging Current less than 2.1A.Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C
	Initial Charging Current less than 2.1A.Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20V/°C
Standby Use	CT series batteries may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.
Self Discharge	

Dimensions

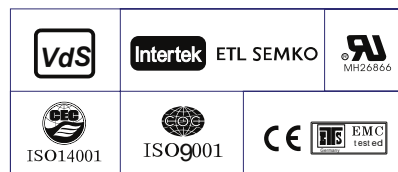
T1 Terminal

Unit: mm



Applications

- Emergency backup power supply
- Emergency light
- Railway signal
- Aircraft signal
- Alarm and security system Electronic apparatus and equipment
- Communication power supply
- DC power supply
- Auto control system



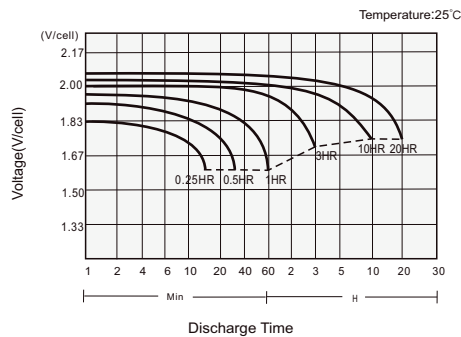
Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V/cell		19.5	14.6	8.37	4.88	2.00	1.33	0.716	0.361
1.67V/cell		18.4	14.0	8.12	4.77	1.96	1.30	0.705	0.356
1.70V/cell		17.9	13.7	8.01	4.72	1.95	1.29	0.700	0.354
1.75V/cell		17.1	13.2	7.83	4.64	1.92	1.28	0.692	0.350
1.80V/cell		16.3	12.8	7.65	4.56	1.89	1.26	0.684	0.347

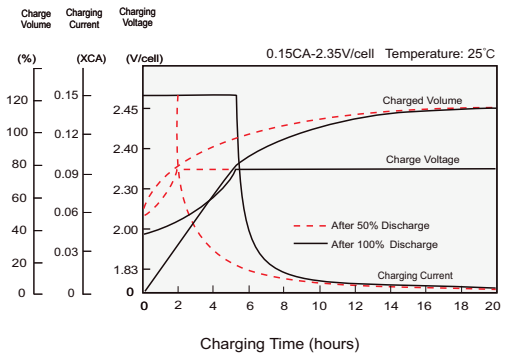
Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V/cell		36.2	27.4	15.8	11.5	9.34	5.41	3.90	2.60
1.67V/cell		34.4	26.4	15.4	11.2	9.17	5.32	3.83	2.56
1.70V/cell		33.6	25.9	15.3	11.1	9.09	5.28	3.80	2.54
1.75V/cell		32.3	25.2	15.0	11.0	8.96	5.21	3.76	2.52
1.80V/cell		31.0	24.4	14.7	10.8	8.84	5.15	3.71	2.49

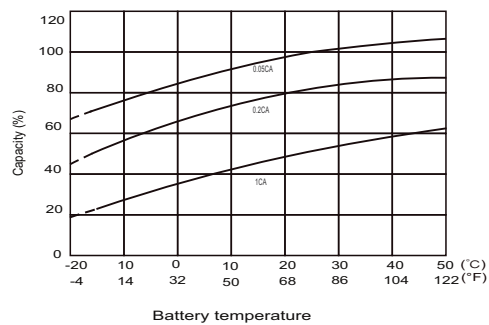
Discharge Characteristics



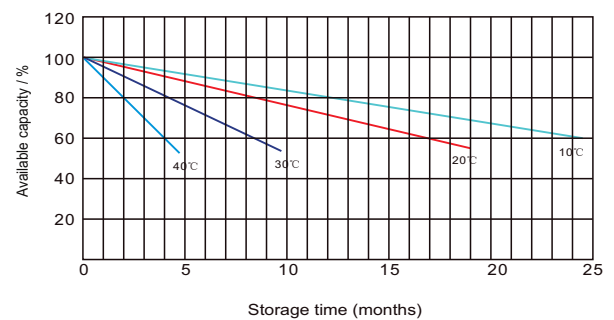
Charging Characteristics



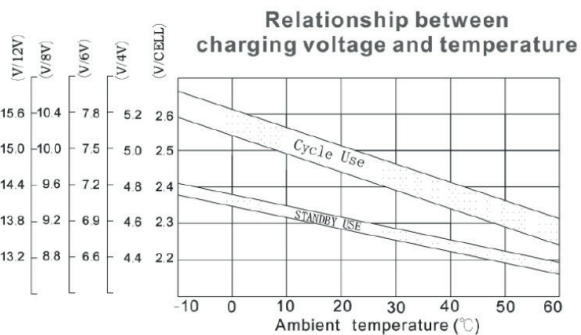
Effects of Temperature on Capacity



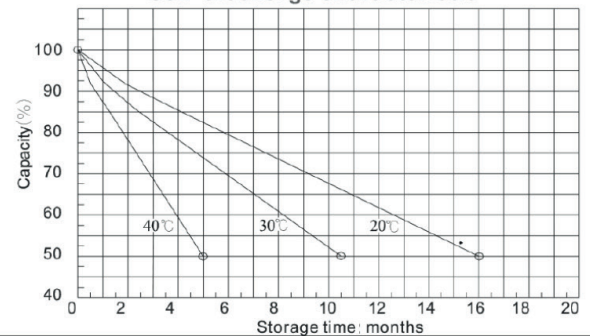
Self Discharge Characteristics



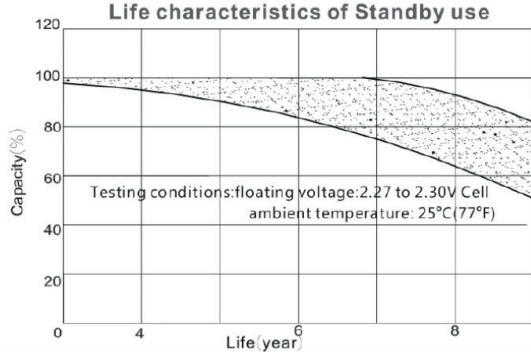
General diagrams



Self-discharge characteristic



Life characteristics of Standby use



Cycle service life in relation to depth of discharge

