

Specification

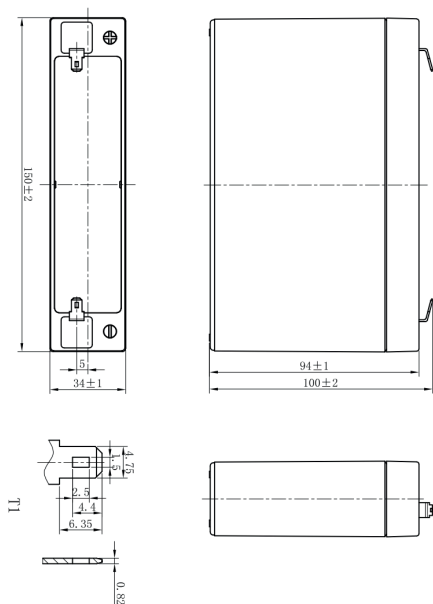
Article number:460-6025

Nominal Voltage	6V
Nominal Capacity(20HR)	7.0Ah
Dimensions	Length 151mm (5.94 inches)
	Width 34mm (1.34 inches)
	Container Height 94mm (3.70 inches)
	Total Height (with Terminal) 100mm (3.94 inches)
Approx Weight	Approx 1.00 kg (2.21lbs)
Terminal	T1/T2
Container Material	ABS
Rated Capacity	7.00Ah / 0.350A (20hr,5.25V,25°C/77°F)
	6.53Ah / 0.653A (10hr,5.25V,25°C/77°F)
	5.85Ah / 1.19A (5hr,5.25V,25°C/77°F)
	4.27Ah / 4.27A (1hr,4.8V,25°C/77°F)
Max. Discharge Current	105A (5s)(25°C/77°F)
Internal Resistance	Fully charged battery(25°C/77°F) Approx 17mΩ
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 7.2V~7.5V at 25°C(77°F)Temp. Coefficient -15mV/°C
Standby Use	Initial Charging Current less than 2.1A.Voltage 6.75V~6.9V at 25°C(77°F)Temp. Coefficient -10V/°C
Self Discharge	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.

Dimensions

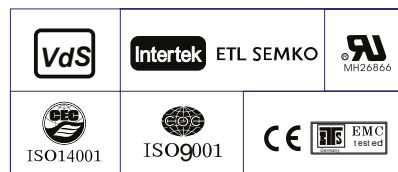
T1/T2 Terminal

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



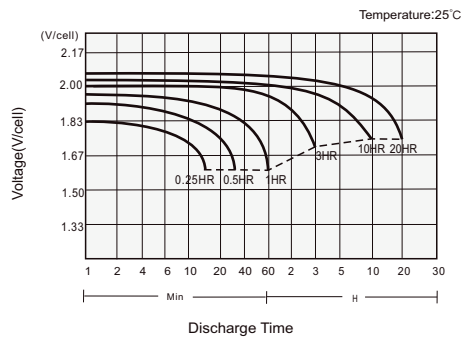
Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V/cell	24.3	15.7	11.8	6.87	4.27	1.84	1.24	0.675	0.361
1.67V/cell	22.3	14.8	11.3	6.67	4.17	1.81	1.22	0.665	0.356
1.70V/cell	21.4	14.4	11.1	6.57	4.13	1.79	1.21	0.660	0.354
1.75V/cell	19.9	13.8	10.7	6.43	4.06	1.77	1.19	0.653	0.350
1.80V/cell	18.5	13.2	10.3	6.28	3.99	1.74	1.18	0.644	0.347

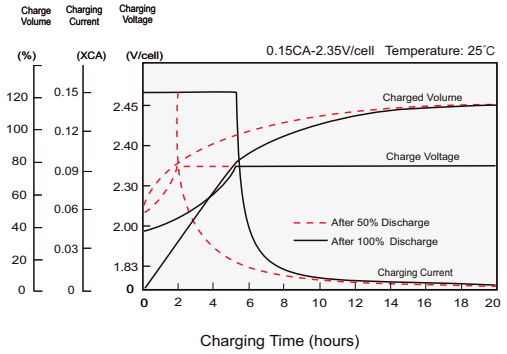
Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V/cell	44.7	29.2	22.1	13.0	9.70	8.17	4.95	3.59	2.43
1.67V/cell	41.4	27.8	21.3	12.7	9.50	8.02	4.87	3.53	2.39
1.70V/cell	39.9	27.2	20.9	12.5	9.40	7.95	4.84	3.50	2.37
1.75V/cell	37.4	26.1	20.3	12.3	9.30	7.84	4.77	3.46	2.35
1.80V/cell	34.8	25.0	19.7	12.1	9.15	7.73	4.71	3.42	2.32

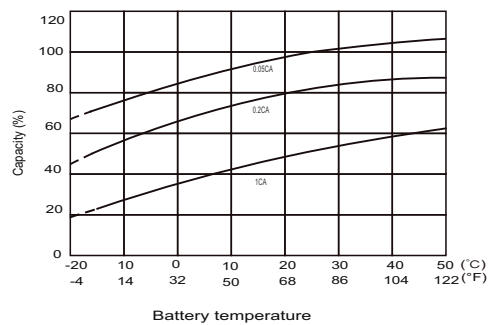
Discharge Characteristics



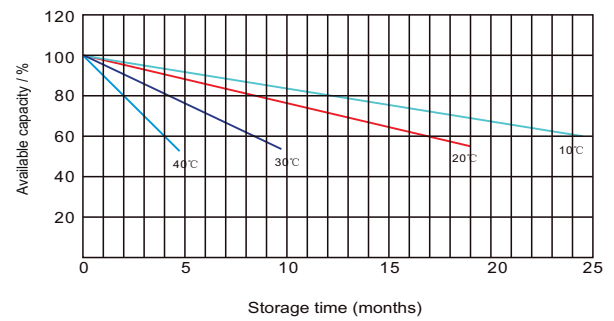
Charging Characteristics



Effects of Temperature on Capacity

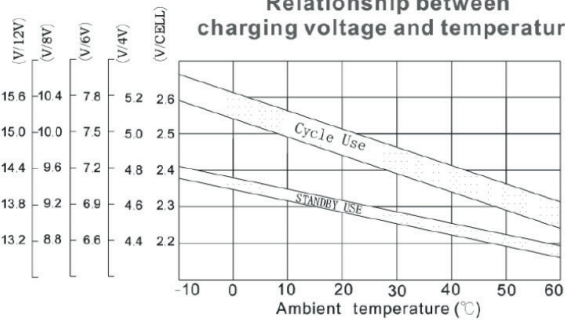


Self Discharge Characteristics

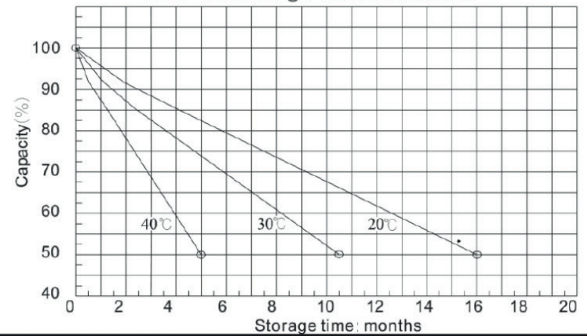


General diagrams

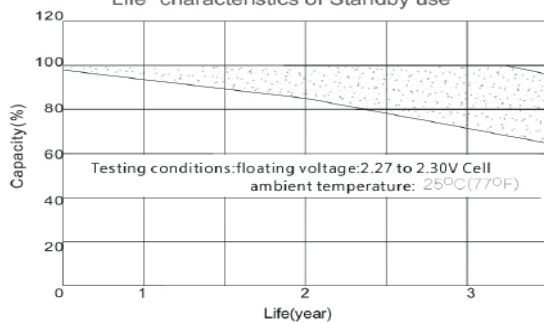
Relationship between charging voltage and temperature



Self-discharge characteristic



Life characteristics of Standby use



Cycle service life in relation to depth of discharge

