

Specification

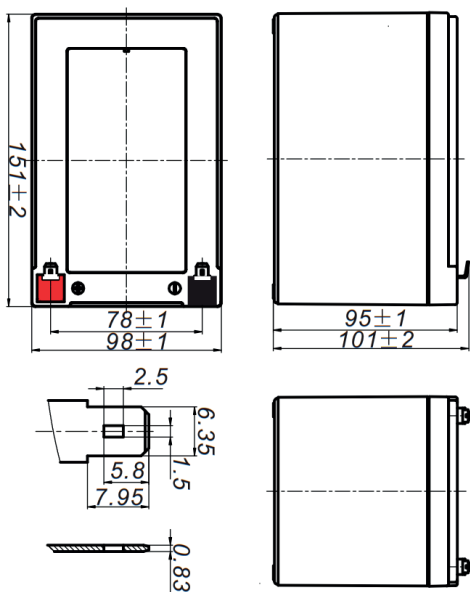
Article number:460-6305

Nominal Voltage	12V
Nominal Capacity(20HR)	12Ah
Dimensions	Length 151mm (5.95 inches)
	Width 98mm (3.86 inches)
	Container Height 95mm (3.74 inches)
	Total Height (with Terminal) 101mm (3.98 inches)
Approx Weight	Approx 3.85 kg (8.49 lbs)
Terminal	T2
Container Material	ABS
Rated Capacity	12Ah / 0.600A (20hr,10.5V,25°C/77°F)
	11.6Ah / 1.16A (10hr,10.5V,25°C/77°F)
	10.65Ah / 2.13A (5hr,10.5V,25°C/77°F)
	7.89Ah / 7.89A (1hr,9.6V,25°C/77°F)
Max. Discharge Current	180A (5s)(25°C/77°F)
Internal Resistance	Fully charged battery(25°C/77°F)Approx 22mΩ
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 3.6A.Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C
	Initial Charging Current less than 3.6A.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 intervall will be shorter.
Self Discharge	

Dimensions

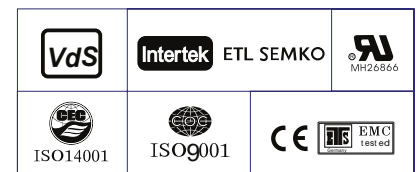
T2 Terminal

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



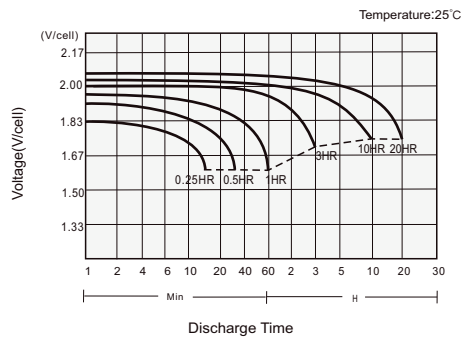
Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V/cell		30.0	22.6	18.4	7.89	3.27	2.22	1.20	0.619
1.67V/cell		28.3	21.6	17.7	7.70	3.20	2.18	1.18	0.610
1.70V/cell		27.6	21.1	17.4	7.62	3.17	2.16	1.17	0.607
1.75V/cell		26.3	20.4	16.9	7.49	3.13	2.13	1.16	0.600
1.80V/cell		25.1	19.7	16.4	7.36	3.08	2.11	1.14	0.595

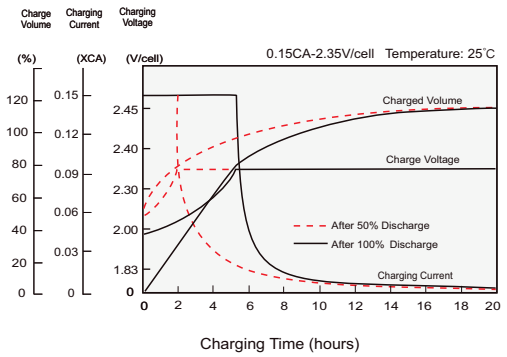
Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V/cell		55.8	42.2	25.6	18.5	15.1	8.74	6.35	4.34
1.67V/cell		53.0	40.7	25.0	18.1	14.8	8.60	6.25	4.28
1.70V/cell		51.8	40.0	24.7	18.0	14.7	8.53	6.20	4.25
1.75V/cell		49.8	38.8	24.2	17.7	14.5	8.42	6.12	4.20
1.80V/cell		47.7	37.6	23.8	17.4	14.3	8.31	6.05	4.15

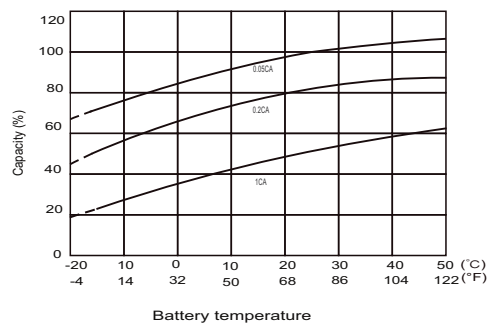
Discharge Characteristics



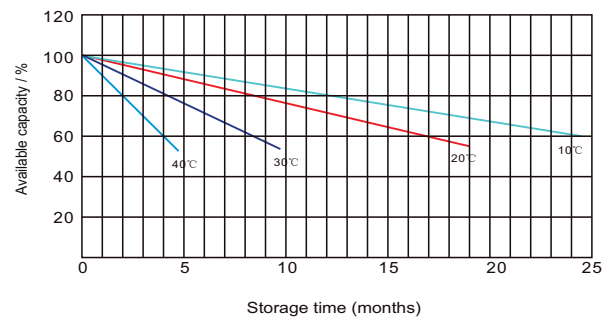
Charging Characteristics



Effects of Temperature on Capacity

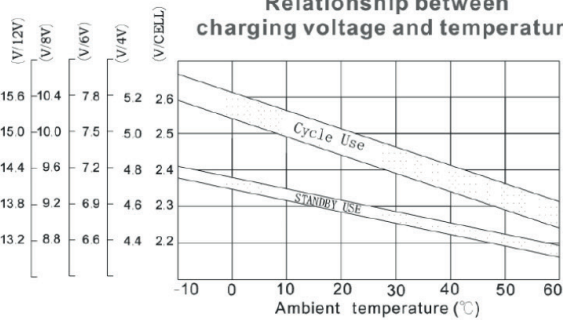


Self Discharge Characteristics

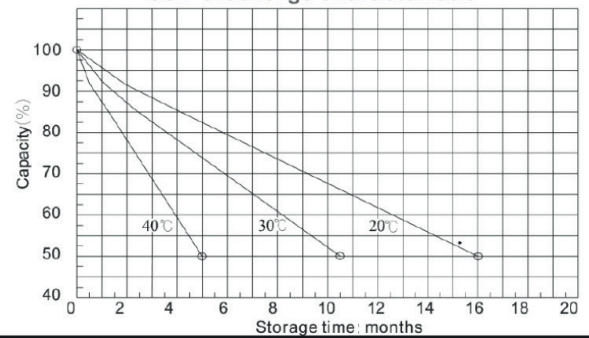


General diagrams

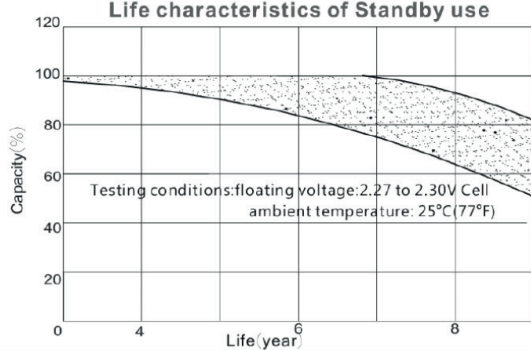
Relationship between charging voltage and temperature



Self-discharge characteristic



Life characteristics of Standby use



Cycle service life in relation to depth of discharge

