

Specification

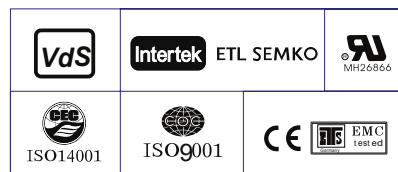
Article number:460-6110

Nominal Voltage	12V		
Nominal Capacity(10HR)	55Ah		
Dimensions	Length	229mm	(9.02 inches)
	Width	138mm	(5.43 inches)
	Container Height	210mm	(8.27 inches)
	Total Height (with Terminal)	230mm	(9.06 inches)
Approx Weight	Approx 17.7 kg (39.03 lbs)		
Terminal	T9		
Container Material	ABS		
Rated Capacity	59.0Ah	/	2.95A (20hr,10.8V,25°C/77°F)
	55.0Ah	/	5.50A (10hr,10.8V,25°C/77°F)
	51.0Ah	/	10.2A (5hr,10.5V,25°C/77°F)
	35.8Ah	/	35.8A (1hr,9.6V,25°C/77°F)
Max. Discharge Current	550A (5s)(25°C/77°F)		
Internal Resistance	Fully charged battery(25°C/77°F)Approx 9mΩ		
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 16.5A.Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C		
	Initial Charging Current less than 16.5A.Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20V/°C		
Standby Use			
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.		



Applications

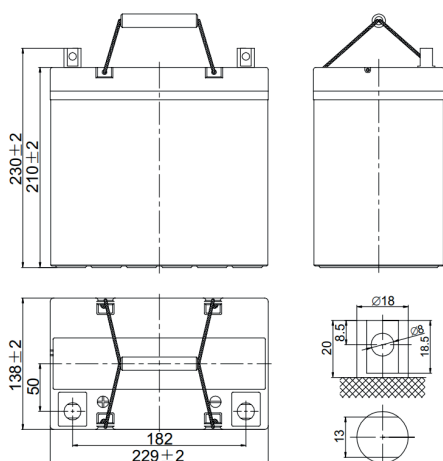
- ◆ Emergency backup power supply
- ◆ Emergency light
- ◆ Railway signal
- ◆ Aircraft signal
- ◆ Alarm and security system Electronic apparatus and equipment
- ◆ Communication power supply
- ◆ DC power supply
- ◆ Auto control system



Dimensions

T9 Terminal

Unit: mm



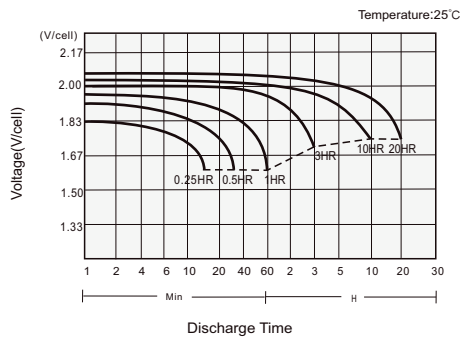
Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V/cell	...	116.2	99.5	59.0	35.8	16.1	10.7	5.86	3.08
1.67V/cell	...	112.4	96.5	58.2	35.3	15.9	10.6	5.80	3.04
1.70V/cell	...	108.9	93.8	57.3	34.7	15.8	10.4	5.72	3.00
1.75V/cell	...	102.2	88.3	56.2	34.1	15.5	10.2	5.67	2.97
1.80V/cell	...	94.2	81.5	55.1	32.5	15.2	10.0	5.50	2.95

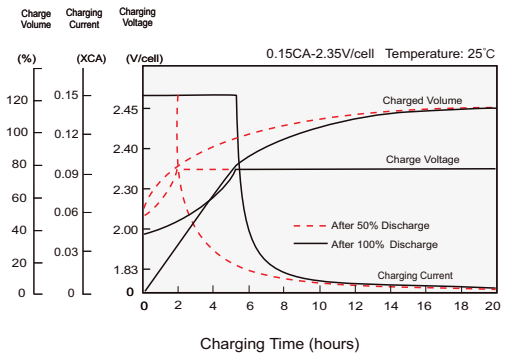
Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V/cell	...	201.9	176.2	108.2	79.2	67.3	41.4	30.8	20.8
1.67V/cell	...	199.2	173.8	107.7	78.8	66.8	41.1	30.7	20.6
1.70V/cell	...	196.0	171.0	107.0	78.1	66.2	40.7	30.5	20.2
1.75V/cell	...	186.4	162.7	105.8	77.1	65.2	40.0	30.1	20.0
1.80V/cell	...	174.7	152.4	104.4	74.9	62.4	38.2	29.6	19.7

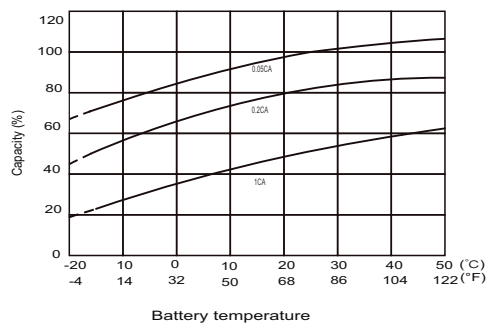
Discharge Characteristics



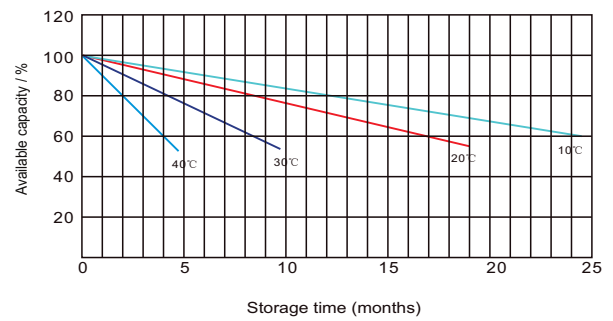
Charging Characteristics



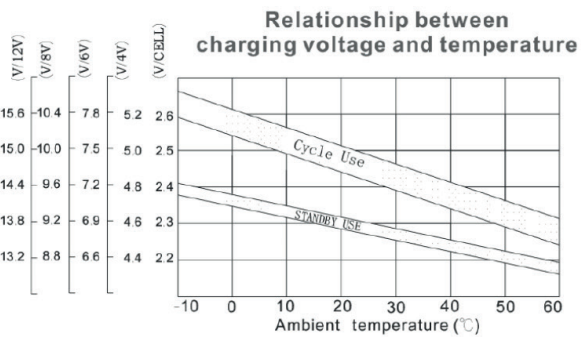
Effects of Temperature on Capacity



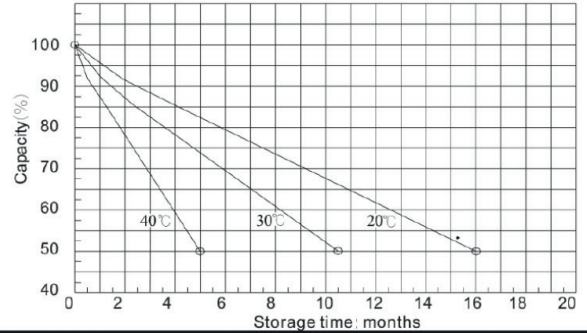
Self Discharge Characteristics



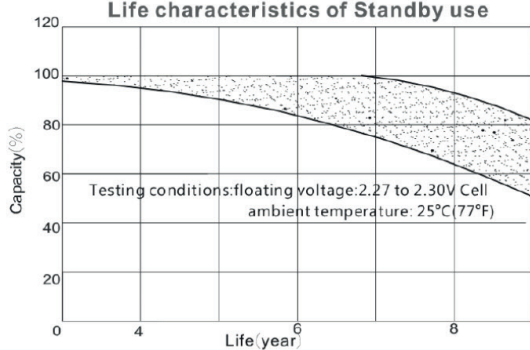
General diagrams



Self-discharge characteristic



Life characteristics of Standby use



Cycle service life in relation to depth of discharge

