

Specification

Article number:460-6010

Nominal Voltage	6V		
Nominal Capacity(20HR)	1.2Ah		
Dimensions	Length	97mm	(3.82 inches)
	Width	24mm	(0.94 inches)
	Container Height	51.5mm	(2.03 inches)
	Total Height (with Terminal)	57.5mm	(2.26 inches)
Approx Weight	Approx 0.29 kg (0.64lbs)		
Terminal	T1		
Container Material	ABS		
Rated Capacity	1.20A@/ 0.060 A \bar{A}	(20hr,5.25V,25 $^{\circ}$ C/77 $^{\circ}$ F)	
	1.13 A@/ 0.113A	(10hr,5.25V,25 $^{\circ}$ C/77 $^{\circ}$ F)	
	1.04 A@/ 0.207A	(5hr,5.25V,25 $^{\circ}$ C/77 $^{\circ}$ F)	
	0.789 Ah / 0.789A	(1hr,4.8V,25 $^{\circ}$ C/77 $^{\circ}$ F)	
Max. Discharge Current	18A (5s)		
Internal Resistance	Approx 65m Ω		
Operating Temp.Range	Discharge : -15~50 $^{\circ}$ C (5~122 $^{\circ}$ F)		
	Charge : 0~40 $^{\circ}$ C (32~104 $^{\circ}$ F)		
	Storage : -15~40 $^{\circ}$ C (5~104 $^{\circ}$ F)		
Nominal Operating Temp. Range	25 \pm 3 $^{\circ}$ C (77 \pm 5 $^{\circ}$ F)		
Cycle Use	Initial Charging Current less than 0.36A.Voltage 7.2V~7.5V at 25 $^{\circ}$ C(77 $^{\circ}$ F)Temp. Coefficient -15mV/ $^{\circ}$ C		
	Standby Use		
Standby Use	Initial Charging Current less than 0.36A.Voltage 6.75V~6.9V at 25 $^{\circ}$ C(77 $^{\circ}$ F)Temp. Coefficient -10V/ $^{\circ}$ C		
	Self Discharge		



Applications

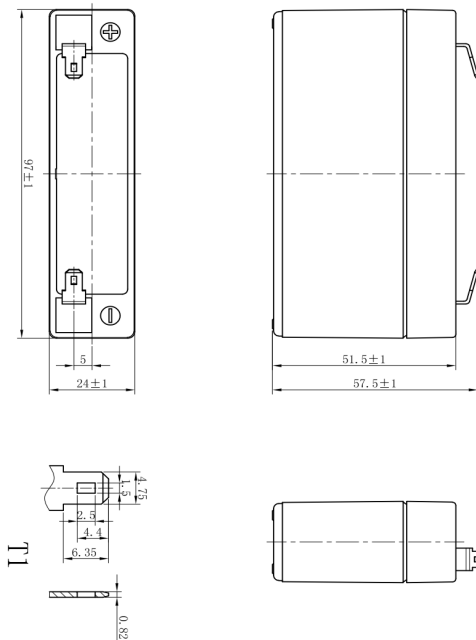
- ◆ Emergency backup power supply
- ◆ Emergency light
- ◆ Railway signal
- ◆ Aircraft signal
- ◆ Alarm and security system
- ◆ Electronic apparatus and equipment
- ◆ Communication power supply
- ◆ DC power supply
- ◆ Auto control system



Dimensions

T1 Terminal

Unit: mm



Constant Current Discharge (Amperes) at 25 $^{\circ}$ C (77 $^{\circ}$ F)

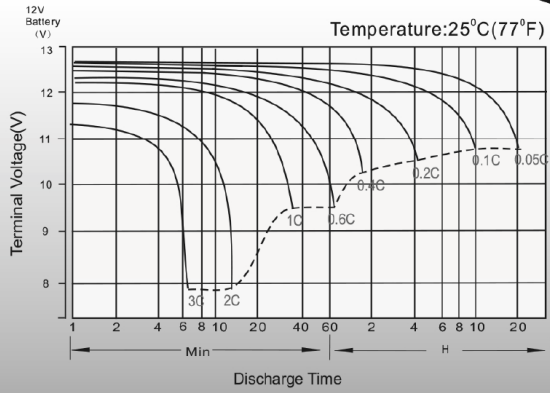
F.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V/cell	4.86	2.80	2.11	1.25	0.789	0.319	0.215	0.117	0.062
1.67V/cell	4.58	2.69	2.04	1.22	0.771	0.314	0.211	0.115	0.061
1.70V/cell	4.43	2.62	1.99	1.20	0.760	0.311	0.209	0.115	0.060
1.75V/cell	4.23	2.52	1.92	1.17	0.746	0.306	0.207	0.113	0.060
1.80V/cell	4.01	2.42	1.86	1.14	0.731	0.301	0.204	0.112	0.059

Constant Power Discharge (Watts/cell) at 25 $^{\circ}$ C (77 $^{\circ}$ F)

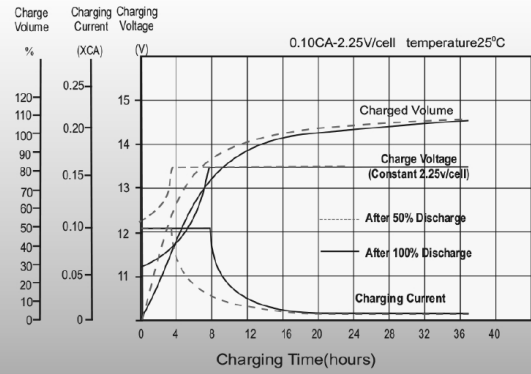
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V/cell	8.68	5.13	3.92	2.37	1.73	1.51	0.862	0.621	0.420
1.67V/cell	8.34	4.98	3.82	2.32	1.70	1.48	0.848	0.612	0.415
1.70V/cell	8.13	4.87	3.74	2.28	1.67	1.46	0.840	0.607	0.412
1.75V/cell	7.84	4.72	3.64	2.23	1.64	1.44	0.830	0.599	0.407
1.80V/cell	7.52	4.57	3.55	2.19	1.61	1.42	0.817	0.591	0.402



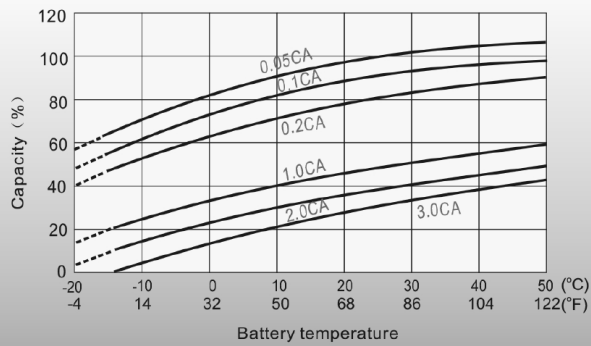
Discharge Characteristics



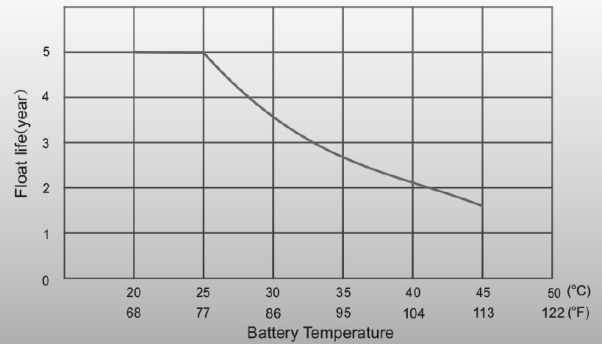
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



General diagrams

