

Specification

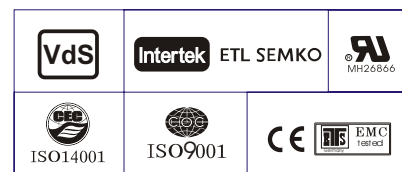
Code:460-6065

Nominal Voltage	12V
Nominal Capacity(20HR)	1.80AH
Dimensions	Length 182±1mm (7.17 inches)
	Width 24±1mm (0.94 inches)
	Container Height 61±1mm (2.40 inches)
	Total Height (with Terminal) 61±1mm (2.40 inches)
Approx Weight	Approx 0.80 kg (1.76lbs)
Terminal	\
Container Material	ABS
Rated Capacity	1.800 AH/0.090A (20hr, 1.80V/cell, 25°C/77°F)
	1.670 AH/0.167A (10hr, 1.80V/cell, 25°C/77°F)
	1.510 AH/0.302A (5hr, 1.75V/cell, 25°C/77°F)
	1.323 AH/0.441A (3hr, 1.75V/cell, 25°C/77°F)
	1.100 AH/1.100A (1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	34.5A (5s)
Internal Resistance	Approx 65mΩ
Operating Temp. Range	Discharge : -15~50°C (5~122°F)
	Charge : 0~40°C (32~104°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 0.54A. Voltage 14.4V~15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
Standby Use	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C (77°F) Temp. Coefficient -20mV/°C
Capacity affected by Temperature	40°C (104°F) 103%
	25°C (77°F) 100%
	0°C (32°F) 86%
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



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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	3.46	2.41	1.99	1.72	1.39	1.06	0.869	0.531	0.405	0.333	0.283	0.244	0.194	0.162	0.089
1.80V/cell	4.25	2.87	2.30	1.95	1.53	1.16	0.939	0.564	0.426	0.350	0.294	0.255	0.202	0.167	0.090
1.75V/cell	5.03	3.25	2.54	2.12	1.64	1.23	0.986	0.589	0.441	0.361	0.302	0.261	0.207	0.171	0.091
1.70V/cell	5.71	3.58	2.75	2.28	1.71	1.28	1.03	0.613	0.455	0.369	0.310	0.268	0.211	0.174	0.092
1.65V/cell	6.30	3.86	2.91	2.39	1.79	1.33	1.07	0.631	0.466	0.377	0.317	0.273	0.214	0.176	0.094
1.60V/cell	6.61	4.01	3.03	2.47	1.84	1.36	1.10	0.650	0.477	0.387	0.323	0.279	0.218	0.179	0.095

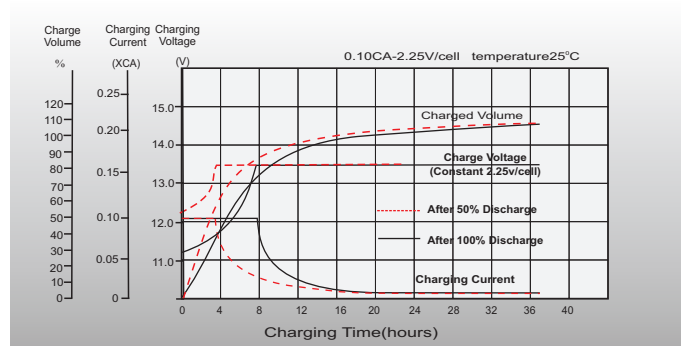
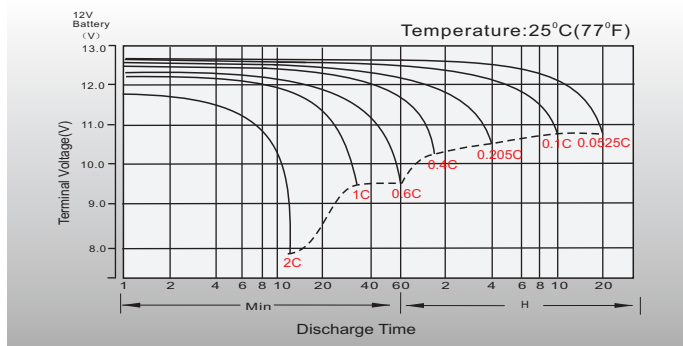
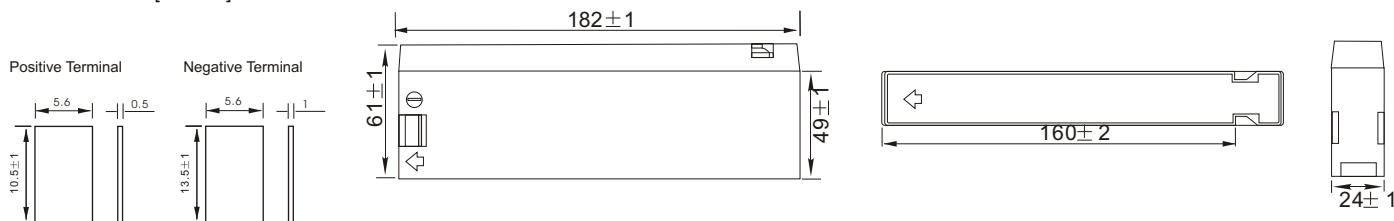
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	6.52	4.59	3.82	3.34	2.70	2.08	1.71	1.05	0.806	0.664	0.565	0.491	0.391	0.326	0.180
1.80V/cell	7.90	5.42	4.39	3.75	2.97	2.26	1.83	1.11	0.837	0.693	0.585	0.509	0.403	0.335	0.181
1.75V/cell	9.23	6.07	4.80	4.05	3.15	2.39	1.92	1.15	0.869	0.711	0.598	0.518	0.412	0.340	0.182
1.70V/cell	10.4	6.62	5.15	4.31	3.28	2.47	1.99	1.19	0.892	0.724	0.609	0.527	0.415	0.344	0.184
1.65V/cell	11.3	7.04	5.38	4.48	3.39	2.54	2.06	1.22	0.908	0.736	0.620	0.535	0.419	0.347	0.185
1.60V/cell	11.7	7.23	5.54	4.57	3.45	2.57	2.09	1.25	0.923	0.749	0.628	0.543	0.427	0.351	0.185

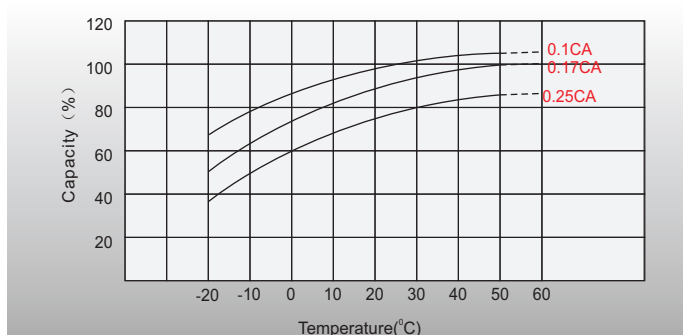
Dimensions

Terminal

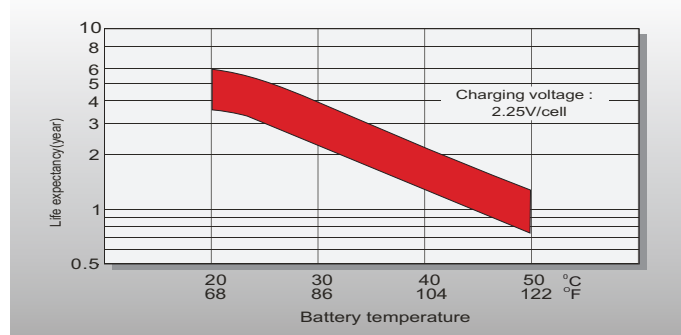
Unit: mm [inches]



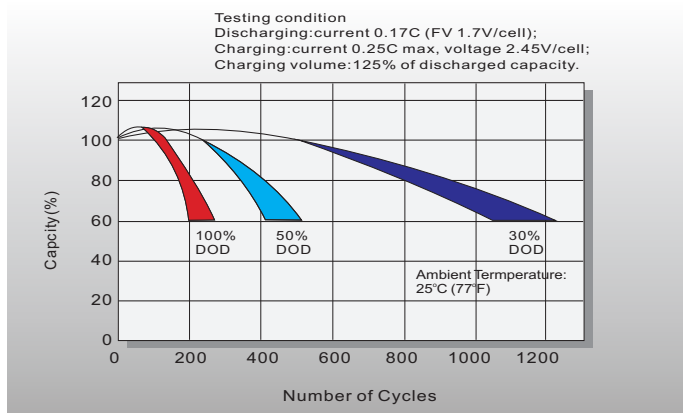
Temperature Effects in Relation to Battery Capacity



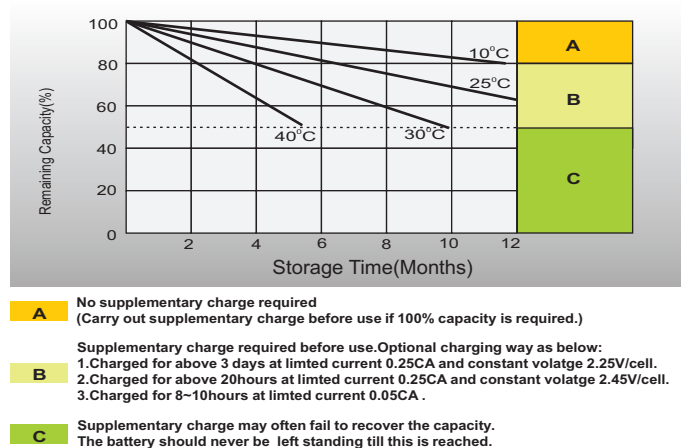
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



Sales Office

Finland and Baltic countries

Celltech Oy
 Höylämötie 11 A, 00380 Helsinki, Finland
 TEL: +358 (0) 207 999 640
 E-mail: info@celltech.fi
 www.celltech.fi

Denmark

Celltech A/S
 Lejrvvej 25, 3500 Værløse, Denmark
 TEL: +45 7025 2201
 E-mail: info@celltech.dk
 www.celltech.dk

Norway

Staubo Elektro-Maskin AS
 Bjoernerudveien 12 C, 1266 Oslo, Norway
 TEL: +47 22 75 35 00
 E-Mail: post@staubo.no
 www.staubo.no