

Specification

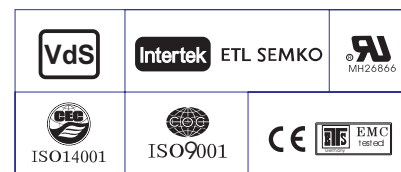
Code:460-8535

Nominal Voltage	12V
Watts(15min Rate)	49.8 Watte at 1.67V/cell
Dimension	Length 151±2mm (5.95 inches)
	Width 98±1mm (3.86 inches)
	Container Height 95±1mm (3.74 inches)
	Total Height (with Terminal) 101±2mm (3.98 inches)
Approx Weight	Approx 4.05kg (8.93lbs)
Terminal	T1 / T2
Container Material	ABS
Rated Capacity	12.6 AH/1.26A (10hr, 1.80V/cell, 25°C/77°F)
	12.0 AH/1.50A (8hr, 1.80V/cell, 25°C/77°F)
	10.5 AH/2.10A (5hr, 1.75V/cell, 25°C/77°F)
	9.45 AH/3.15A (3hr, 1.75V/cell, 25°C/77°F)
	8.77 AH/8.77A (1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	180A (5s)
Internal Resistance	Approx 14mΩ
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 3.6A.Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C
	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C
Standby Use	
Capacity affected by Temperature	40°C (104°F) 103%
	25°C (77°F) 100%
	0°C (32°F) 86%
Self Discharge	Leoch LPX 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

- ◆ UPS (High rate)
- ◆ High power backup supply
- ◆ Emergency power supply
- ◆ Starting system
- ◆ Power tools
- ◆ Emergency lighting
- ◆ Electric starting



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	26.0	24.2	20.6	17.1	12.5	8.95	7.11	4.00	2.87	2.29	1.97	1.68	1.41	1.19	0.678
1.80V/cell	30.4	27.4	22.5	18.3	13.5	9.70	7.59	4.26	3.03	2.40	2.02	1.77	1.50	1.26	0.684
1.75V/cell	34.2	30.1	24.6	19.8	14.0	10.1	7.94	4.43	3.15	2.50	2.10	1.81	1.52	1.28	0.690
1.70V/cell	37.7	32.7	26.3	20.8	14.6	10.5	8.19	4.61	3.27	2.58	2.14	1.85	1.54	1.29	0.703
1.67V/cell	41.6	35.3	27.9	22.0	15.3	10.8	8.47	4.73	3.38	2.66	2.19	1.89	1.57	1.32	0.713
1.60V/cell	46.0	37.6	29.4	23.5	16.2	11.3	8.77	4.90	3.48	2.74	2.25	1.94	1.58	1.33	0.716

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

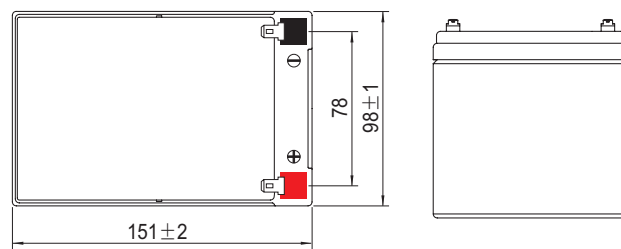
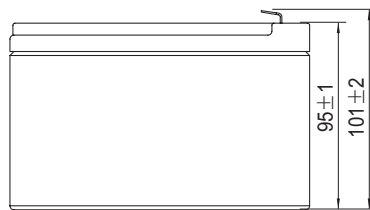
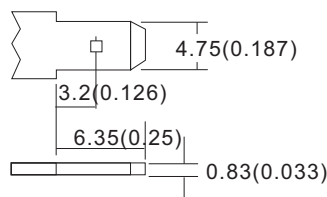
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	47.6	44.6	38.3	32.2	23.9	17.2	13.7	7.75	5.63	4.52	3.92	3.37	2.76	2.36	1.35
1.80V/cell	55.0	49.9	41.5	34.0	25.2	18.5	14.6	8.21	5.90	4.70	4.00	3.52	2.92	2.49	1.36
1.75V/cell	60.7	53.9	44.8	36.4	26.0	19.1	15.1	8.52	6.11	4.89	4.14	3.61	2.97	2.51	1.37
1.70V/cell	65.0	57.4	47.1	37.9	26.9	19.8	15.6	8.84	6.33	5.03	4.23	3.68	3.01	2.54	1.40
1.67V/cell	70.7	61.5	49.8	40.0	28.1	20.1	16.0	9.03	6.51	5.17	4.31	3.74	3.05	2.59	1.41
1.60V/cell	76.1	63.9	51.3	42.1	29.5	20.9	16.5	9.29	6.67	5.32	4.41	3.82	3.07	2.61	1.42

Specifications subject to change without notice.

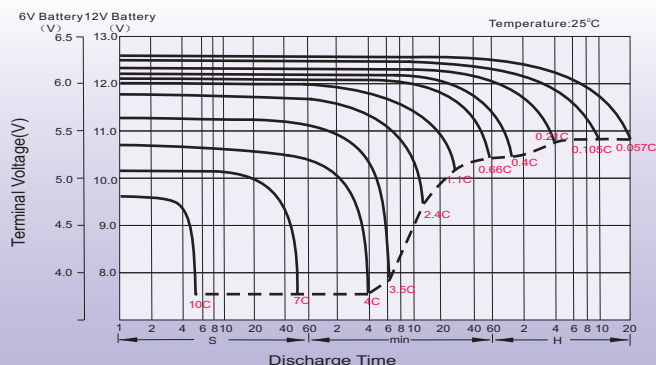
Dimensions

T1 Terminal

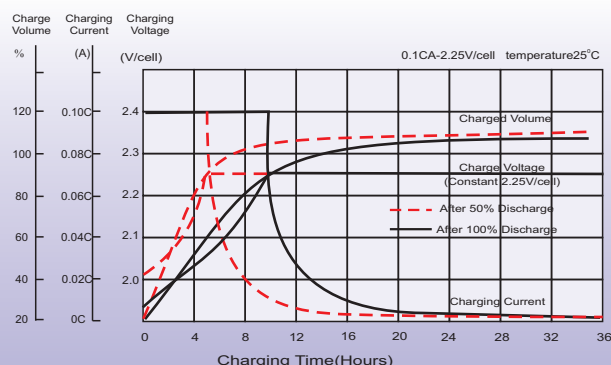
Unit: mm [inches]



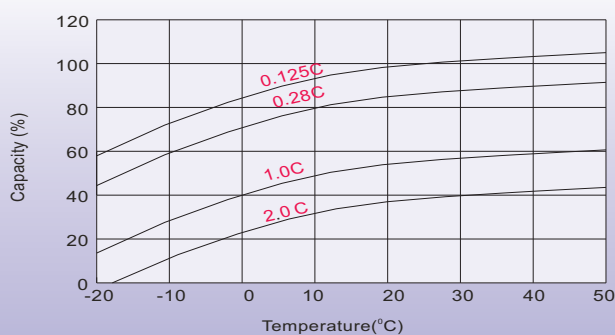
Discharge Characteristics



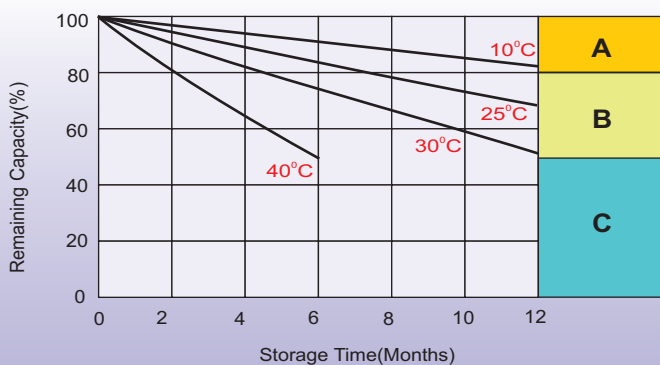
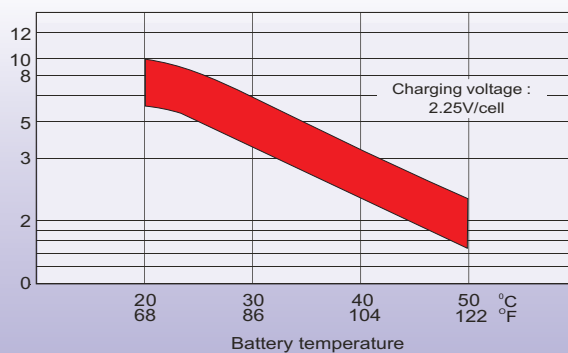
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Self Discharge Characteristics

- A** No supplementary charge required
(Carry out supplementary charge before use if 100% capacity is required.)
- B** Supplementary charge required before use. Optional charging way as below:
 1. Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.
 2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.45V/cell.
 3. Charged for 8~10 hours at limited current 0.05CA.
- C** Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.

Sales Office

Finland and Baltic countries

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

Denmark

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

Norway

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