

### Specification

Nominal Voltage	12V	
Watts(15min Rate)	25.6 Watte at 1.67V/cell	
Dimension	Length	151 ± 2mm (5.95 inches)
	Width	65 ± 1mm (2.56 inches)
	Container Height	93.5 ± 1mm (3.68 inches)
	Total Height (with Terminal)	99 ± 1mm (3.90 inches)
Approx Weight	Approx 2.18 kg (4.81lbs)	
Terminal	T1 / T2	
Container Material	ABS	
Rated Capacity	6.20 AH/0.62A	(10hr, 1.80V/cell, 25°C/77°F)
	6.00 AH/0.75A	(8hr, 1.80V/cell, 25°C/77°F)
	5.55 AH/1.11A	(5hr, 1.75V/cell, 25°C/77°F)
	5.04 AH/1.68A	(3hr, 1.75V/cell, 25°C/77°F)
	4.64 AH/4.64A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	90A (5s)	
Internal Resistance	Approx 20mΩ	
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 1.8A. 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	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	22.2	14.8	11.6	9.64	7.19	5.22	4.08	2.21	1.57	1.25	1.04	0.90	0.722	0.603	0.328
1.80V/cell	25.0	16.3	12.5	10.2	7.53	5.40	4.22	2.28	1.63	1.28	1.07	0.93	0.750	0.620	0.335
1.75V/cell	27.4	17.2	13.2	10.8	7.83	5.60	4.37	2.35	1.68	1.33	1.11	0.96	0.769	0.637	0.341
1.70V/cell	29.2	18.1	13.8	11.2	8.14	5.77	4.48	2.42	1.72	1.36	1.14	0.98	0.783	0.649	0.346
1.67V/cell	30.6	18.7	14.3	11.5	8.34	5.91	4.56	2.47	1.76	1.39	1.16	1.00	0.793	0.656	0.348
1.60V/cell	31.6	19.2	14.6	11.8	8.46	6.01	4.64	2.51	1.78	1.41	1.17	1.01	0.800	0.661	0.350

### Constant Power Discharge (Watts/cell) 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	41.5	27.8	21.8	18.2	13.7	10.0	7.87	4.29	3.07	2.44	2.04	1.77	1.42	1.19	0.649
1.80V/cell	45.2	29.8	23.1	19.2	14.2	10.3	8.10	4.40	3.15	2.49	2.09	1.83	1.48	1.23	0.662
1.75V/cell	49.1	31.2	24.3	20.0	14.7	10.6	8.34	4.53	3.23	2.57	2.15	1.87	1.51	1.26	0.674
1.70V/cell	51.6	32.5	25.1	20.6	15.1	10.9	8.52	4.64	3.32	2.64	2.21	1.92	1.54	1.28	0.682
1.67V/cell	53.2	33.0	25.6	21.0	15.3	11.0	8.63	4.72	3.37	2.67	2.24	1.94	1.55	1.29	0.687
1.60V/cell	53.9	33.4	25.8	21.2	15.4	11.1	8.72	4.77	3.40	2.70	2.26	1.96	1.56	1.30	0.689

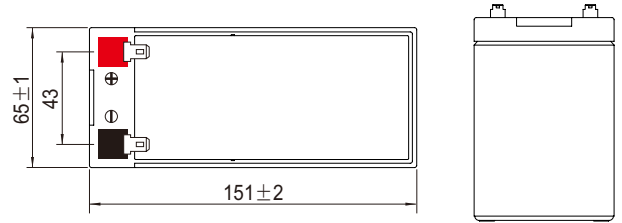
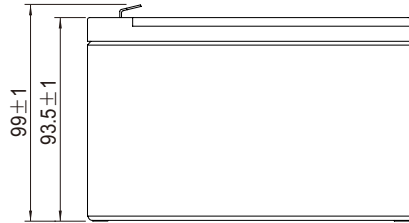
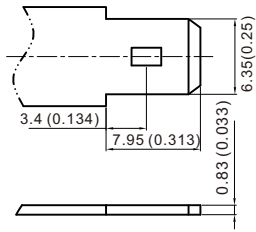
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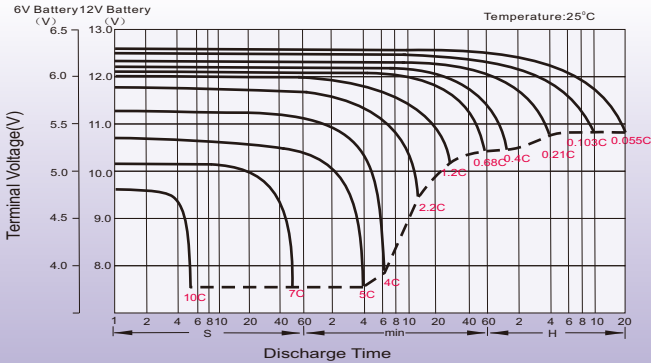
## Dimensions

### T2 Terminal

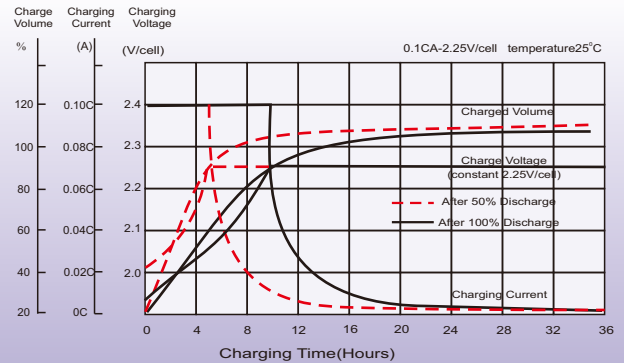
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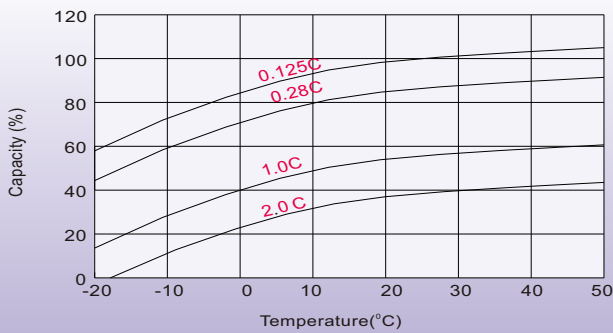
## Discharge Characteristics



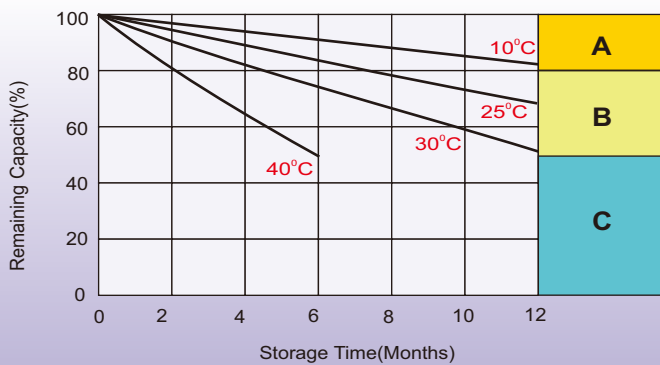
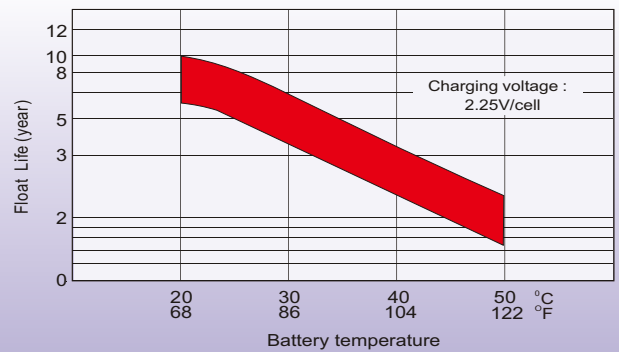
## Float Charging Characteristics



## 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.

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