

### Specification

Nominal Voltage	12V	
Nominal Capacity(20HR)	7.2AH	
Dimension	Length	152±1mm (5.98 inches)
	Width	65.5±1mm (2.58 inches)
	Container Height	94.5±1mm (3.72 inches)
	Total Height (with Terminal)	100±1mm (3.94 inches)
Approx Weight	Approx 2.40 kg (5.30lbs)	
Terminal	T1 / T2	
Container Material	ABS	
Rated Capacity	7.20 AH/0.36A	(20hr , 1.80V/cell, 25°C/77°F)
	6.75 AH/0.68A	(10hr, 1.80V/cell, 25°C/77°F)
	6.30 AH/1.26A	(5hr, 1.75V/cell, 25°C/77°F)
	5.76 AH/1.92A	(3hr, 1.75V/cell, 25°C/77°F)
	5.21AH/5.21A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	108A (5s)	
Internal Resistance	Approx 18mΩ	
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	2.16A. 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 LP 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

- ◆ All purpose
- ◆ Uninterruptable Power Supply (UPS)
- ◆ Electric Power System (EPS)
- ◆ 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
- ◆ Designed life - 5 years (at 20°C)



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

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	20.3	15.5	12.9	8.38	4.61	2.52	1.81	1.44	1.20	0.799	0.657	0.355
1.80V/cell	23.4	16.9	13.9	8.70	4.75	2.61	1.86	1.49	1.24	0.824	0.675	0.360
1.75V/cell	26.4	18.3	14.6	8.99	4.87	2.67	1.92	1.52	1.26	0.840	0.688	0.365
1.70V/cell	29.4	19.4	15.5	9.24	5.00	2.74	1.96	1.56	1.29	0.857	0.701	0.370
1.65V/cell	31.2	20.3	15.8	9.38	5.10	2.80	2.01	1.58	1.31	0.871	0.711	0.375
1.60V/cell	32.7	21.1	16.2	9.59	5.21	2.87	2.05	1.61	1.33	0.885	0.722	0.377

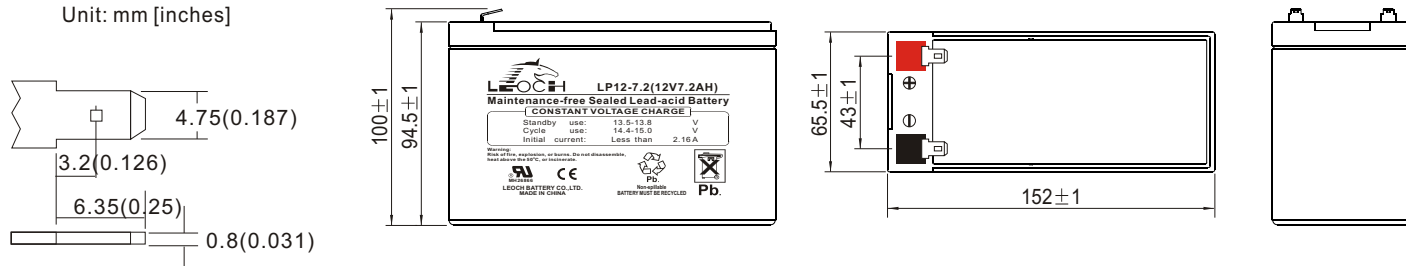
### Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	38.6	29.8	25.2	16.5	9.14	5.03	3.62	2.89	2.41	1.60	1.32	0.715
1.80V/cell	43.7	32.1	26.8	16.9	9.35	5.17	3.72	2.98	2.48	1.65	1.35	0.724
1.75V/cell	48.5	34.3	27.8	17.4	9.53	5.27	3.81	3.04	2.53	1.68	1.38	0.733
1.70V/cell	53.1	35.7	29.2	17.7	9.71	5.37	3.88	3.10	2.57	1.71	1.40	0.742
1.65V/cell	55.9	37.2	29.6	17.9	9.85	5.47	3.95	3.14	2.61	1.74	1.42	0.751
1.60V/cell	57.4	38.0	30.0	18.1	9.95	5.54	4.00	3.17	2.64	1.76	1.44	0.753

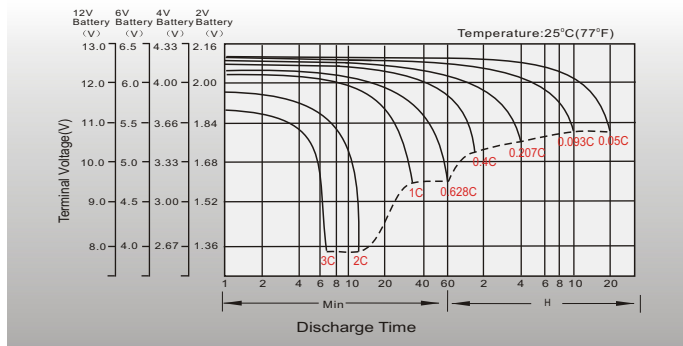
# Dimensions

## T1 Terminal

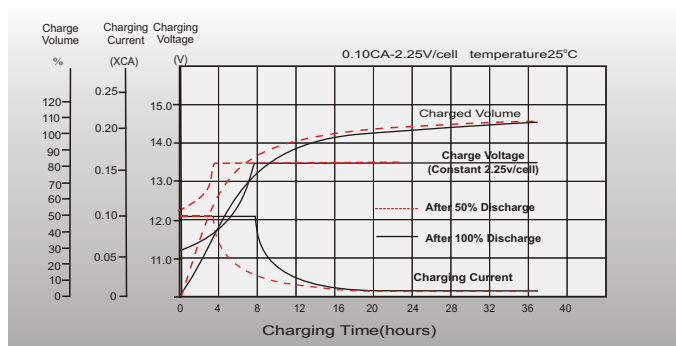
Unit: mm [inches]



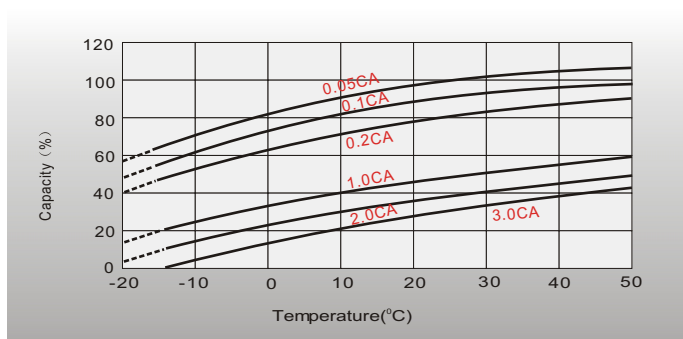
## Discharge Characteristics



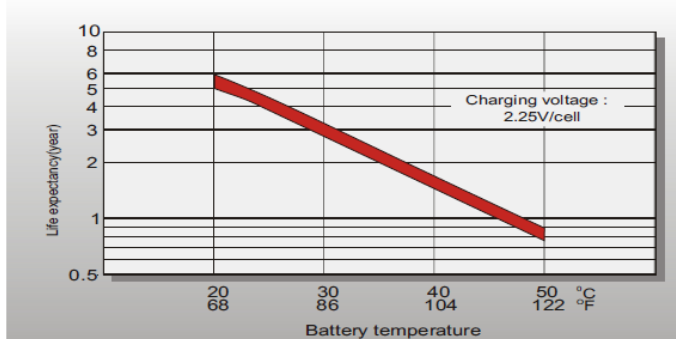
## Float Charging Characteristics



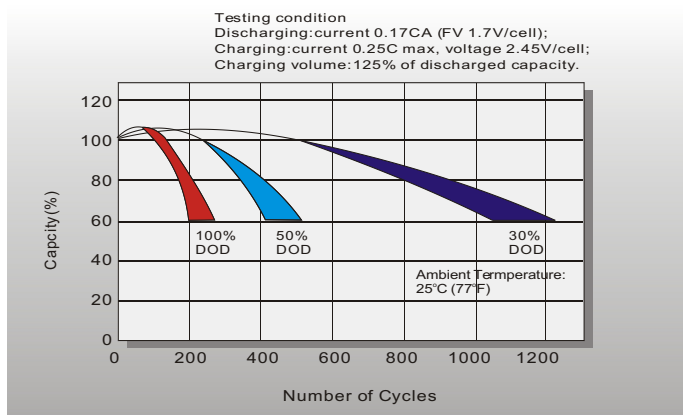
## Temperature Effects in Relation to Battery Capacity



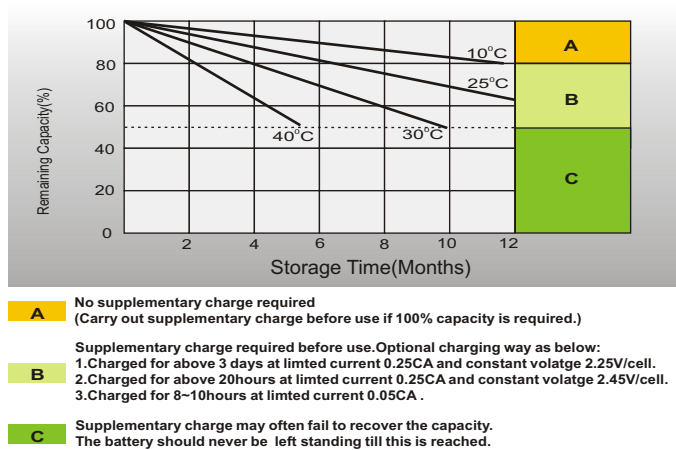
## Effect of Temperature on Long Term Float Life



## Cycle Life in Relation to Depth of Discharge



## Self Discharge Characteristics



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