

### Specification

Nominal Voltage	12V	
Nominal Capacity(20HR)	17.0AH	
Dimension	Length	181.5±1mm (7.14 inches)
	Width	77±1mm (3.03 inches)
	Container Height	167.5±1mm (6.59inches)
	Total Height (with Terminal)	167.5±1mm (6.59inches)
Approx Weight	Approx 5.70 kg (112.57lbs)	
Terminal	T3	
Container Material	ABS	
Rated Capacity	17.00 AH/0.85A	(20hr , 1.80V/cell,25°C/77°F)
	15.81AH/1.58A	(10hr, 1.80V/cell,25°C/77°F)
	14.45 AH/2.89A	(5hr, 1.75V/cell,25°C/77°F)
	13.0 AH/4.33A	(3hr, 1.75V/cell,25°C/77°F)
	10.68 AH/10.68A	(1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	255A (5s)	
Internal Resistance	Approx 17mΩ	
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 5.1A.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 DJW 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



F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	32.4	24.9	20.6	17.8	13.8	10.14	8.55	5.06	3.96	3.22	2.62	2.28	1.84	1.53	0.84
1.80V/cell	43.5	31.8	24.9	21.0	16.2	11.8	9.58	5.52	4.26	3.43	2.82	2.44	1.95	1.58	0.85
1.75V/cell	49.0	34.9	27.2	22.6	16.9	12.2	10.02	5.72	4.34	3.51	2.89	2.51	1.98	1.62	0.86
1.70V/cell	54.0	38.0	29.0	23.8	17.6	12.7	10.33	5.87	4.46	3.60	2.96	2.56	2.01	1.66	0.87
1.65V/cell	59.5	41.1	30.9	25.3	18.5	13.0	10.57	5.95	4.65	3.73	3.04	2.62	2.04	1.69	0.89
1.60V/cell	65.6	44.6	33.0	26.9	19.6	13.6	10.7	6.21	4.79	3.85	3.15	2.67	2.06	1.71	0.89

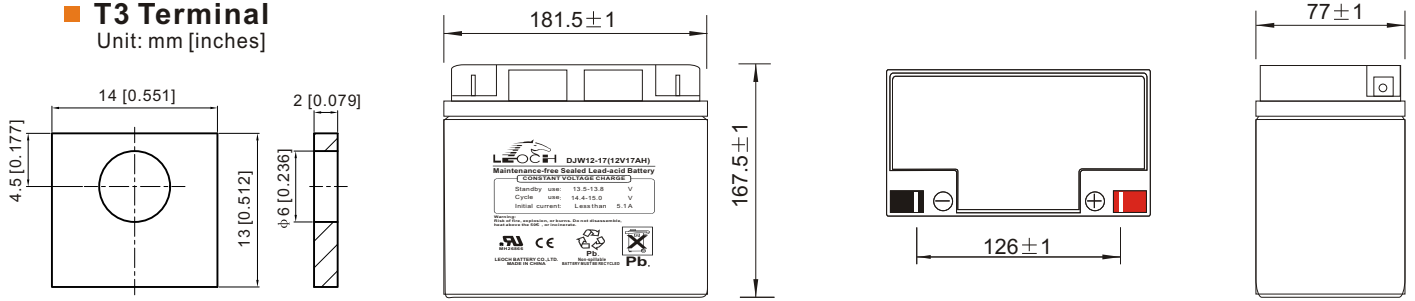
### Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	59.2	45.9	38.4	33.6	26.2	19.5	16.5	9.82	7.71	6.29	5.14	4.48	3.62	3.03	1.67
1.80V/cell	78.6	58.0	45.8	39.1	30.5	22.5	18.4	10.6	8.25	6.68	5.49	4.78	3.83	3.12	1.68
1.75V/cell	86.7	62.7	49.4	41.7	31.4	23.1	19.1	11.0	8.37	6.80	5.62	4.89	3.89	3.20	1.70
1.70V/cell	92.9	66.8	52.0	43.4	32.5	24.0	19.7	11.2	8.59	6.97	5.75	4.99	3.94	3.27	1.73
1.65V/cell	101.0	71.4	54.9	45.8	34.0	24.3	20.0	11.3	8.91	7.18	5.89	5.08	3.99	3.33	1.75
1.60V/cell	108.8	75.8	57.7	48.3	35.6	25.2	20.1	11.8	9.14	7.39	6.06	5.18	4.02	3.36	1.75

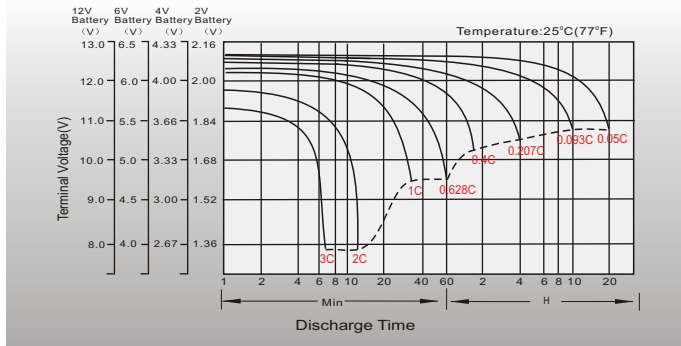
# Dimensions

## T3 Terminal

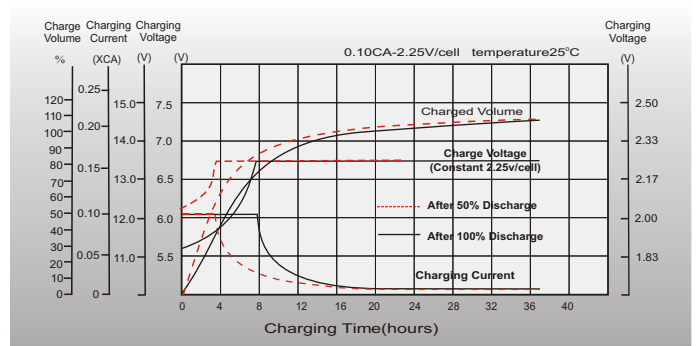
Unit: mm [inches]



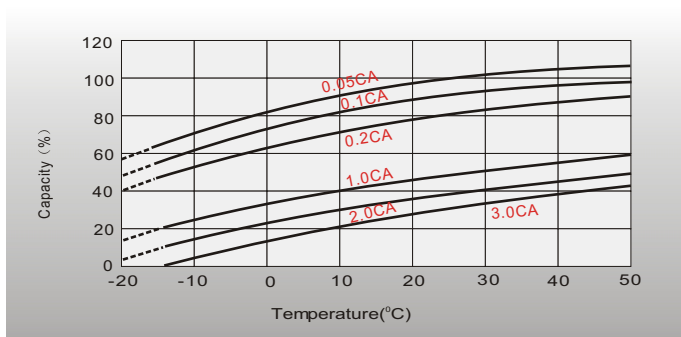
## Discharge Characteristics



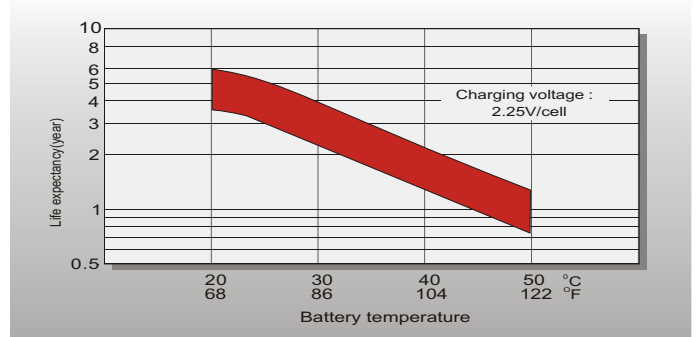
## Float Charging Characteristics



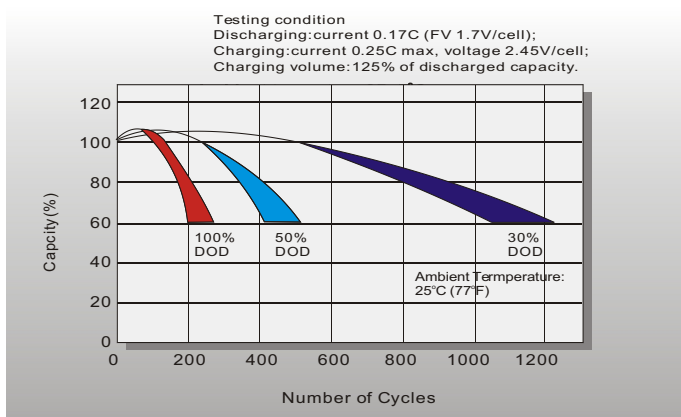
## Temperature Effects in Relation to Batter Capacity



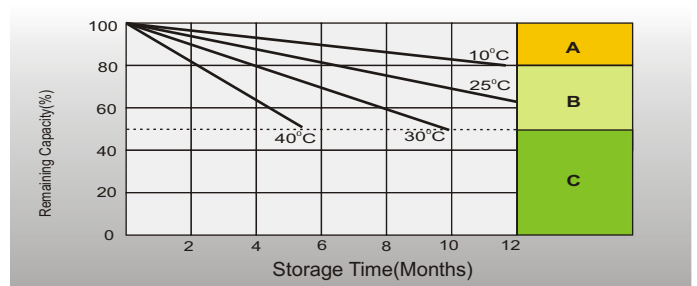
## Effect of Temperature on Long Term Float Life



## Cycle Life in Relation to Depth of Discharge



## 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 volatge 2.25V/cell.  
 2. Charged for above 20hours at limited current 0.25CA and constant volatge 2.45V/cell.  
 3. Charged for 8-10hours 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

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