

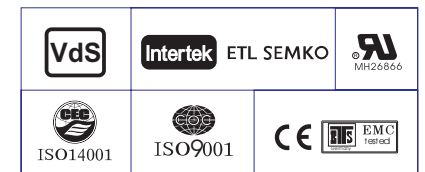
Specification

Nominal Voltage	12V	
Nominal Capacity(8HR)	120.0AH	
Dimension	Length	410±3mm (16.14 inches)
	Width	177±2mm (6.97 inches)
	Container Height	225±2mm (8.86 inches)
	Total Height (with Terminal)	225±2mm (8.86 inches)
Approx Weight	Approx 37.6kg (82.9lbs)	
Terminal	T11	
Container Material	ABS	
Rated Capacity	122.2 AH/12.22A	(10hr, 1.80V/cell, 25°C/77°F)
	120.0AH/15.0A	(8hr, 1.75V/cell, 25°C/77°F)
	106.8 AH/21.36A	(5hr, 1.75V/cell, 25°C/77°F)
	97.2 AH/32.4A	(3hr, 1.75V/cell, 25°C/77°F)
	78.8 AH/78.8A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	1300A (5s)	
Internal Resistance	Approx 4mΩ	
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 36.0A. 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	230.0	177.4	149.8	130.9	97.2	74.1	60.9	38.2	29.6	23.6	19.4	16.8	13.9	11.5	6.43
1.80V/cell	308.7	226.6	181.0	154.8	114.7	86.1	68.3	41.7	31.8	25.2	20.8	18.0	14.7	12.2	6.50
1.75V/cell	348.1	249.0	197.7	166.5	119.1	89.4	71.4	43.3	32.4	25.8	21.4	18.5	15.0	12.3	6.56
1.70V/cell	383.3	271.4	211.0	175.0	123.9	93.0	73.7	45.0	33.3	26.5	21.9	18.9	15.2	12.5	6.68
1.65V/cell	422.7	292.9	224.4	185.9	130.7	95.3	76.1	46.3	34.7	27.4	22.5	19.3	15.5	12.7	6.77
1.60V/cell	466.2	318.0	240.0	198.0	138.0	99.3	78.8	47.8	35.8	28.3	23.3	19.7	15.6	12.9	6.80

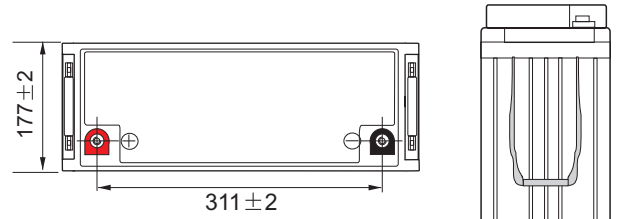
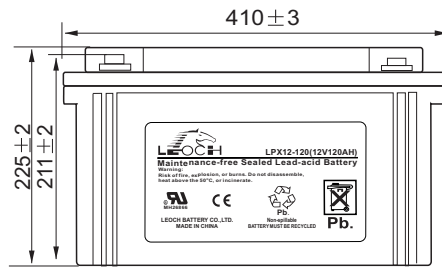
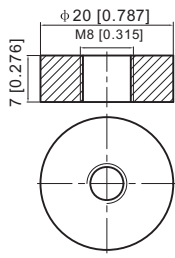
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	420.5	327.6	279.5	246.8	185.2	142.3	117.5	74.2	57.6	46.2	38.0	33.0	27.4	22.8	12.7
1.80V/cell	558.5	413.7	333.2	287.4	215.2	164.3	131.0	80.5	61.7	49.1	40.6	35.2	29.0	24.1	12.9
1.75V/cell	616.3	447.3	359.4	306.2	221.6	168.9	136.4	83.2	62.6	50.0	41.5	36.1	29.5	24.3	13.0
1.70V/cell	659.8	476.5	378.4	319.4	229.4	174.9	140.2	86.3	64.2	51.2	42.5	36.8	29.8	24.6	13.2
1.65V/cell	717.3	509.5	399.3	336.8	240.0	177.7	143.9	88.2	66.6	52.8	43.6	37.5	30.2	25.0	13.3
1.60V/cell	772.8	540.5	420.0	354.9	251.6	184.2	148.2	90.7	68.3	54.3	44.8	38.1	30.5	25.3	13.4

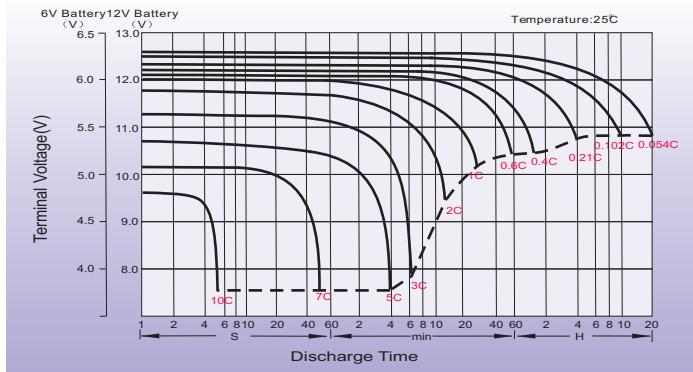
Dimensions

T11 Terminal

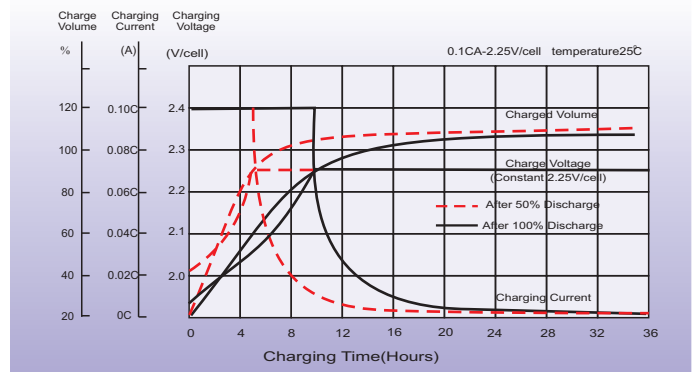
Unit: mm [inches]



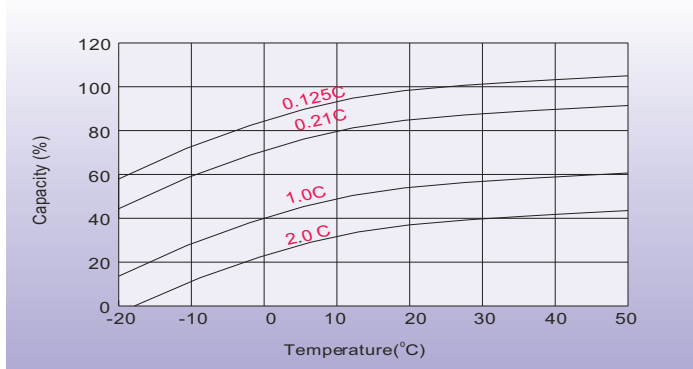
Discharge Characteristics



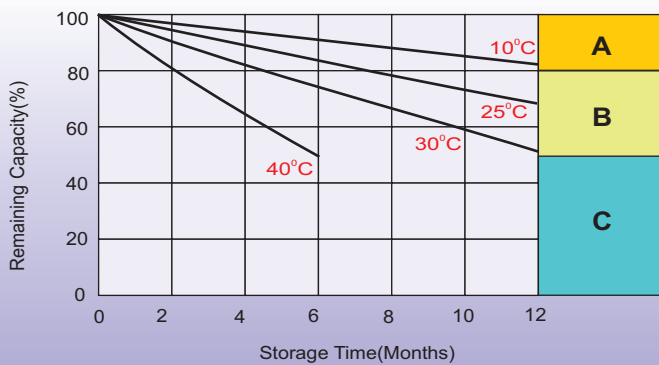
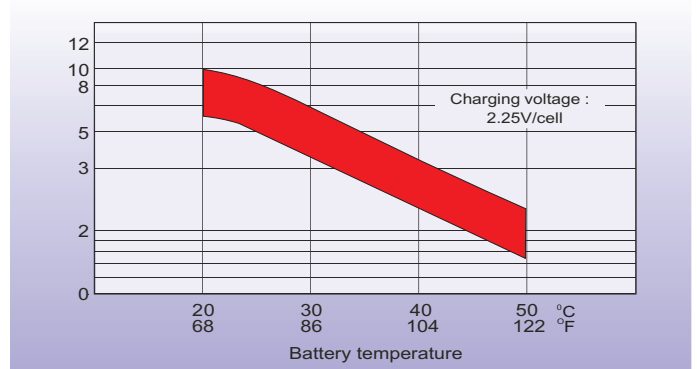
Float Charging Characteristics



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

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