

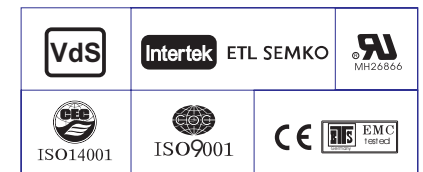
Specification

Nominal Voltage	12V	
Nominal Capacity(8HR)	65.0AH	
Dimension	Length	348±3mm (13.70 inches)
	Width	167±2mm (6.57 inches)
	Container Height	178±2mm (7.01 inches)
	Total Height (with Terminal)	178±2mm (7.01 inches)
Approx Weight	Approx 21.0 kg (46.3lbs)	
Terminal	T6	
Container Material	ABS	
Rated Capacity	66.2 AH/6.62A	(10hr, 1.80V/cell, 25°C/77°F)
	65.0 AH/8.125A	(8hr, 1.75V/cell, 25°C/77°F)
	57.9 AH/11.57A	(5hr, 1.75V/cell, 25°C/77°F)
	52.7 AH/17.55A	(3hr, 1.75V/cell, 25°C/77°F)
	42.7 AH/42.7A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	780A (5s)	
Internal Resistance	Approx 7.3mΩ	
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 19.5A. 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	124.6	96.1	81.1	70.9	52.6	40.1	33.0	20.7	16.0	12.8	10.5	9.09	7.53	6.25	3.48
1.80V/cell	167.2	122.8	98.0	83.8	62.1	46.7	37.0	22.6	17.2	13.7	11.3	9.74	7.99	6.62	3.52
1.75V/cell	188.6	134.9	107.1	90.2	64.5	48.4	38.7	23.4	17.6	14.0	11.6	10.0	8.13	6.68	3.56
1.70V/cell	207.6	147.0	114.3	94.8	67.1	50.3	39.9	24.4	18.0	14.3	11.9	10.2	8.24	6.75	3.62
1.65V/cell	229.0	158.7	121.6	100.7	70.8	51.6	41.2	25.1	18.8	14.8	12.2	10.4	8.37	6.89	3.67
1.60V/cell	252.5	172.3	130.0	107.3	74.8	53.8	42.7	25.9	19.4	15.3	12.6	10.7	8.45	6.96	3.69

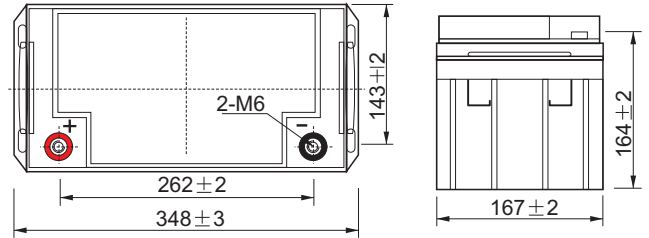
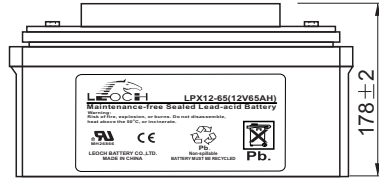
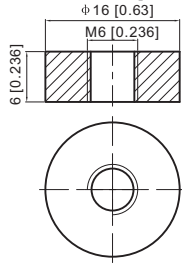
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	227.8	177.5	151.4	133.7	100.3	77.1	63.7	40.2	31.2	25.0	20.6	17.9	14.9	12.4	6.90
1.80V/cell	302.5	224.1	180.5	155.7	116.6	89.0	70.9	43.6	33.4	26.6	22.0	19.1	15.7	13.1	6.97
1.75V/cell	333.8	242.3	194.7	165.9	120.0	91.5	73.9	45.1	33.9	27.1	22.5	19.5	16.0	13.2	7.02
1.70V/cell	357.4	258.1	205.0	173.0	124.2	94.8	76.0	46.7	34.8	27.7	23.0	19.9	16.2	13.3	7.15
1.65V/cell	388.5	276.0	216.3	182.4	130.0	96.2	77.9	47.8	36.1	28.6	23.6	20.3	16.4	13.6	7.23
1.60V/cell	418.6	292.8	227.5	192.2	136.3	99.8	80.3	49.1	37.0	29.4	24.3	20.7	16.5	13.7	7.26

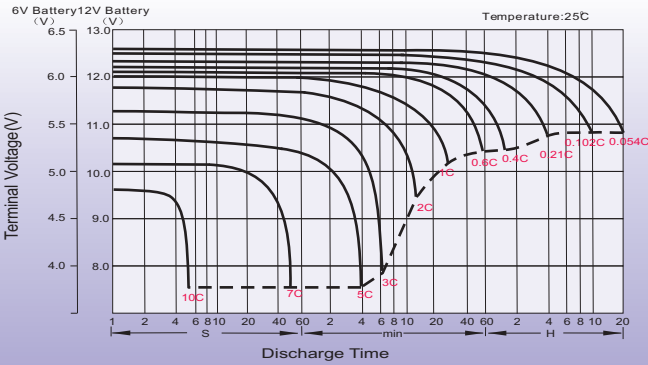
Dimensions

T6 Terminal

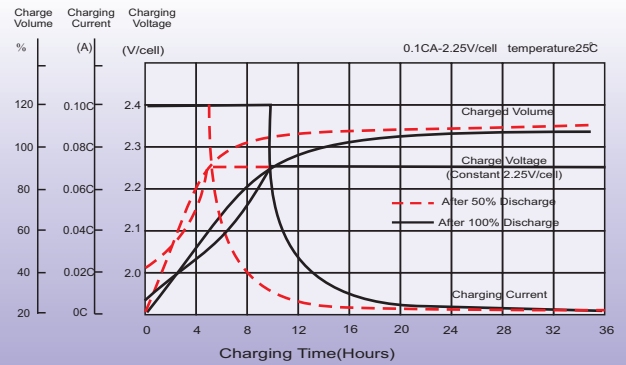
Unit: mm [inches]



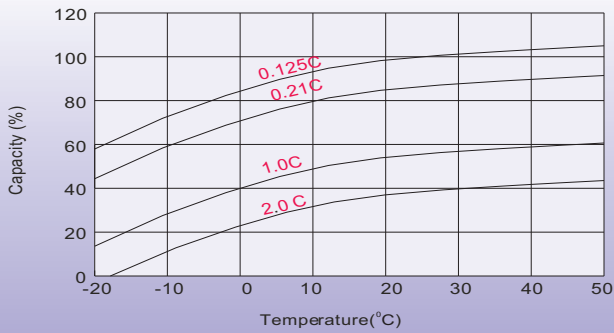
Discharge Characteristics



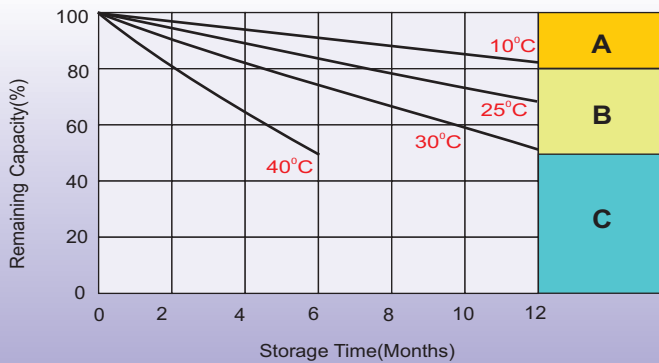
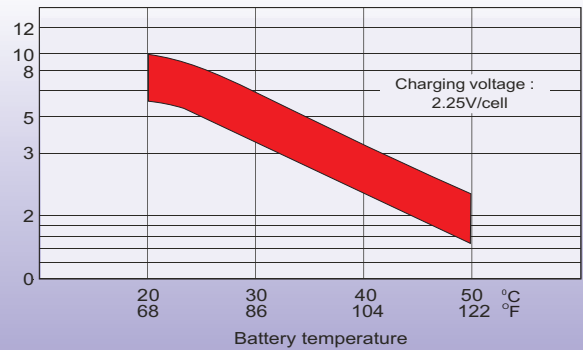
Float Charging Characteristics



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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