

Specification

Nominal Voltage	12V	
Nominal Capacity(20HR)	125.0AH	
Dimension	Length	344±3mm (13.54 inches)
	Width	171±2mm (6.73 inches)
	Container Height	274±2mm (10.79 inches)
	Total Height (with Terminal)	280±2mm (11.02 inches)
Approx Weight	Approx 47.0 kg (103.64lbs)	
Terminal	T11	
Container Material	ABS	
Rated Capacity	125.0 AH/6.25A	(20hr, 1.80V/cell, 25°C/77°F)
	116.3 AH/11.63A	(10hr, 1.75V/cell, 25°C/77°F)
	100.0 AH/20.0A	(5hr, 1.75V/cell, 25°C/77°F)
	87.0 AH/29.0A	(3hr, 1.75V/cell, 25°C/77°F)
	68.8 AH/68.8A	(1hr, 1.67V/cell, 25°C/77°F)
Max. Discharge Current	1125A (5s)	
Internal Resistance	Approx 4.8mΩ	
Operating Temp. Range	Discharge	-20~55°C (-4~131°F)
	Charge	0~40°C (32~104°F)
	Storage	-20~50°C (-4~122°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 31.25A. 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 LPG series batteries may be stored for up to 9 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	



Applications

- ◆ Telecommunications
- ◆ Solar system
- ◆ Wind power system
- ◆ Engine starting
- ◆ Wheelchair
- ◆ Floor cleaning machines
- ◆ Golf trolley
- ◆ Boats



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

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	105.8	83.0	63.3	53.0	33.6	25.6	21.2	18.3	15.8	14.0	12.6	11.5	10.9	6.00
1.80V/cell	121.1	92.8	69.8	58.5	36.4	27.5	22.5	19.3	16.6	14.7	13.2	12.1	11.4	6.25
1.75V/cell	136.1	102.0	75.5	62.6	38.6	29.0	23.6	20.0	17.2	15.2	13.7	12.5	11.63	6.38
1.70V/cell	146.6	109.3	80.2	66.3	40.9	30.2	24.3	20.6	17.8	15.7	14.1	12.8	11.9	6.46
1.67V/cell	152.6	113.5	83.0	68.8	41.9	31.2	24.9	21.1	18.1	15.9	14.3	13.0	12.0	6.52
1.60V/cell	165.4	121.5	89.2	73.0	43.6	32.4	25.9	21.7	18.5	16.3	14.5	13.3	12.3	6.61

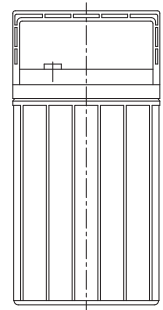
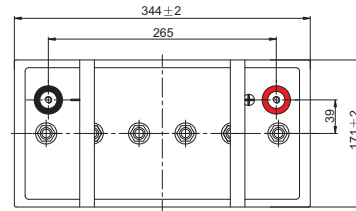
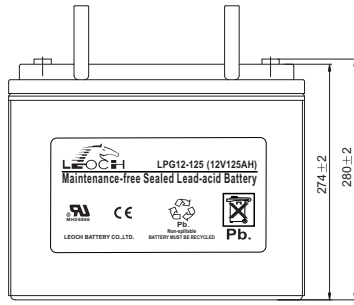
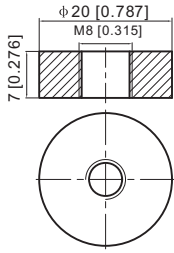
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	202.4	159.9	122.8	103.2	65.7	50.2	41.7	36.2	31.3	27.8	25.1	23.0	21.8	12.0
1.80V/cell	228.8	177.1	134.4	113.3	70.8	53.6	44.1	37.9	32.8	29.0	26.3	24.1	22.7	12.5
1.75V/cell	254.3	192.9	144.3	120.7	74.8	56.5	46.0	39.2	33.8	30.0	27.0	24.8	23.1	12.7
1.70V/cell	271.0	204.8	152.1	127.0	78.9	58.7	47.4	40.3	34.9	30.9	27.8	25.4	23.6	12.8
1.67V/cell	278.8	210.6	156.4	131.0	80.5	60.3	48.4	41.0	35.4	31.3	28.2	25.7	23.9	13.0
1.60V/cell	298.8	223.3	166.7	138.3	83.4	62.4	50.1	42.2	36.2	31.9	28.6	26.2	24.3	13.1

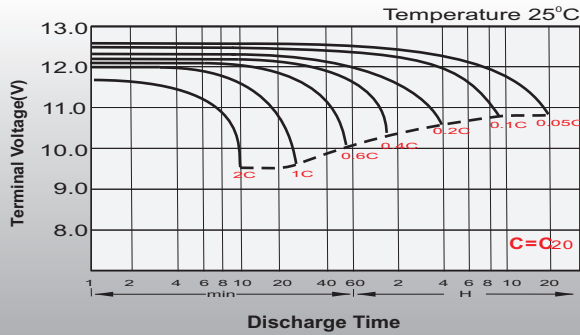
Dimensions

T11 Terminal

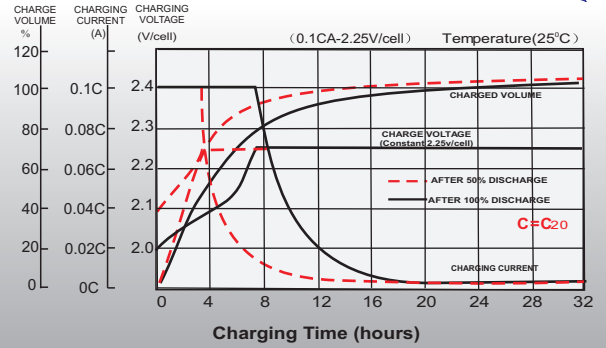
Unit: mm [inches]



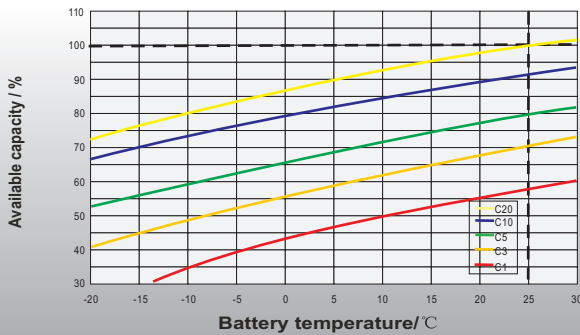
Discharge Characteristics



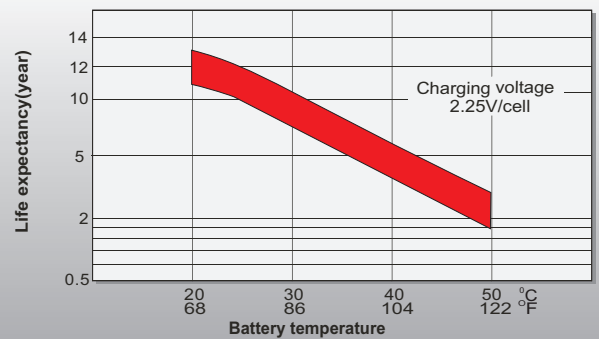
Float Charging Characteristics



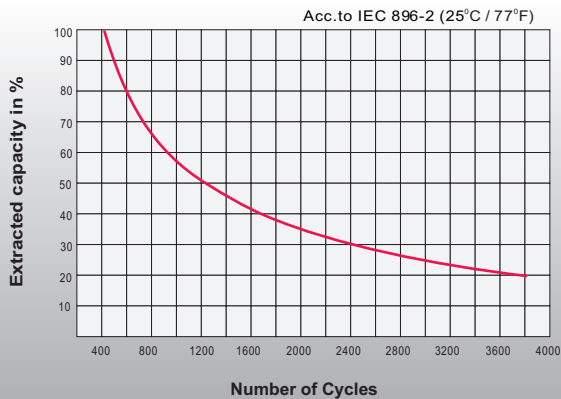
Temperature Effects in Relation to Battery Capacity



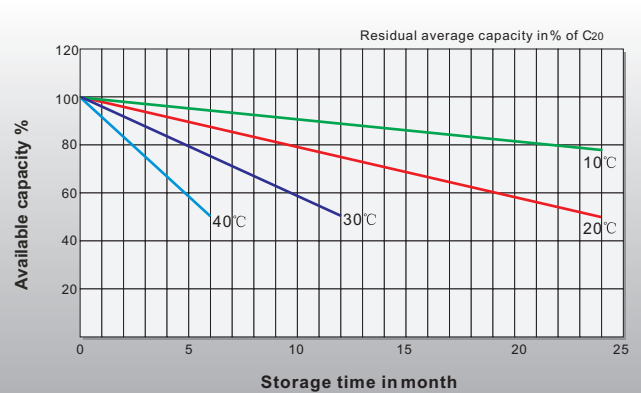
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time



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