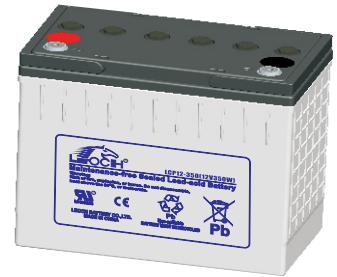


Specification

Nominal Voltage	12V
Nominal Capacity(20HR)	100Ah at 1.80V/cell @25°C/77°F
Watts(15min Rated)	350 Watts/cell at 1.67V/cell @25°C/77°F
Dimension	Length 293.2±3mm (11.54 inches)
	Width 173±2mm (6.81 inches)
	Container Height 213±2mm (8.39inches)
	Total Height (with Terminal) 216±2mm (8.50inches)
	Approx Weight 26.8 kg (59.1 lbs)
Terminal	T11
Container Material	ABS
Rated Capacity	100.0 AH/10.0A (20hr, 1.80V/cell, 25°C/77°F)
	90.0 AH/9.0A (10hr, 1.80V/cell, 25°C/77°F)
	79.5 AH/15.9A (5hr, 1.75V/cell, 25°C/77°F)
	69.6AH/23.2A (3hr, 1.75V/cell, 25°C/77°F)
	60.0 AH/60.0A (1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	1350A (5s)
Internal Resistance	Approx 5.0mΩ
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 27.0A. 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	40°C (104°F) 103%
	25°C (77°F) 100%
	0°C (32°F) 86%
Capacity affected by Temperature	Leoch LCP 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.
Self Discharge	



Applications

- ◆ UPS (High rate)
- ◆ Emergency power supply
- ◆ Banks & Financial Markets
- ◆ Hospitals & Testing Laboratories
- ◆ Industrial Process Control Facilities
- ◆ Date & Network Operations Centers

Compliant Standards

- ◆ IEC60896-21/22:2004
- ◆ BS 6290 Part 4



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

F.V/Time	5min	10min	15min	20min	25min	30min	45min	1h	1.5h	2h	3h	4h	5h	8h	10h
1.85V/cell	170.6	139.3	119.2	100.4	85.6	75.8	56.5	45.5	33.5	27.5	20.9	17.1	14.5	10.2	8.58
1.80V/cell	194.5	160.4	139.6	114.6	96.4	84.2	61.7	49.1	36.2	29.8	22.4	18.2	15.4	10.7	9.00
1.75V/cell	218.2	183.1	154.4	125.0	104.2	90.4	65.4	51.8	38.0	31.1	23.2	18.9	15.9	10.9	9.09
1.70V/cell	243.1	204.6	169.8	135.5	111.7	95.8	68.8	54.5	39.5	32.0	23.9	19.4	16.3	11.1	9.18
1.67V/cell	270.2	225.7	185.6	145.4	119.3	102.0	72.5	57.2	41.1	33.0	24.8	19.9	16.6	11.2	9.26
1.60V/cell	292.7	244.1	194.8	152.8	125.3	106.9	76.2	60.0	42.7	34.0	25.4	20.3	16.9	11.4	9.35

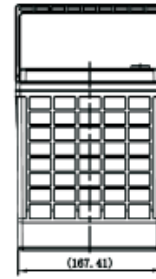
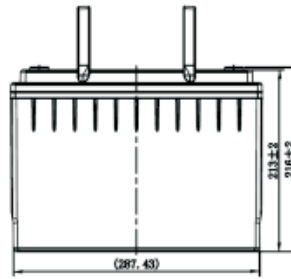
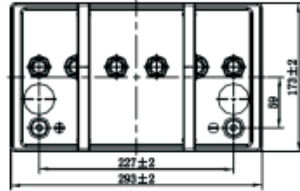
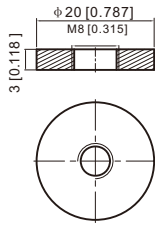
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	25min	30min	45min	1h	1.5h	2h	3h	4h	5h	8h	10h
1.85V/cell	327.4	269.6	232.0	196.5	168.2	149.4	112.5	90.9	67.2	55.3	42.2	34.7	29.5	20.9	17.6
1.80V/cell	369.8	307.9	270.0	222.9	188.1	165.0	122.1	97.7	72.4	59.7	45.2	36.7	31.2	21.8	18.4
1.75V/cell	410.8	348.1	296.0	241.0	201.9	175.9	128.8	102.8	75.6	62.0	46.6	37.9	32.2	22.3	18.6
1.70V/cell	453.3	385.4	322.5	259.2	214.7	185.1	134.7	107.4	78.2	63.6	47.9	38.9	32.8	22.5	18.7
1.67V/cell	500.1	422.0	350.0	276.1	227.8	195.7	140.8	112.1	81.0	65.4	49.3	39.9	33.4	22.8	18.9
1.60V/cell	533.4	449.5	362.0	286.2	236.0	202.5	146.5	116.6	83.5	66.8	50.3	40.4	33.8	23.0	19.0

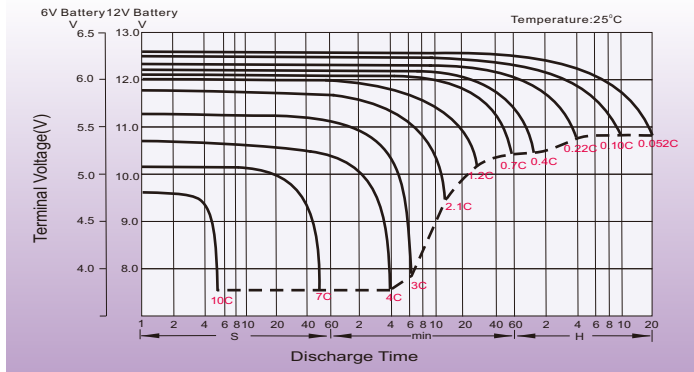
Dimensions

T11 Terminal

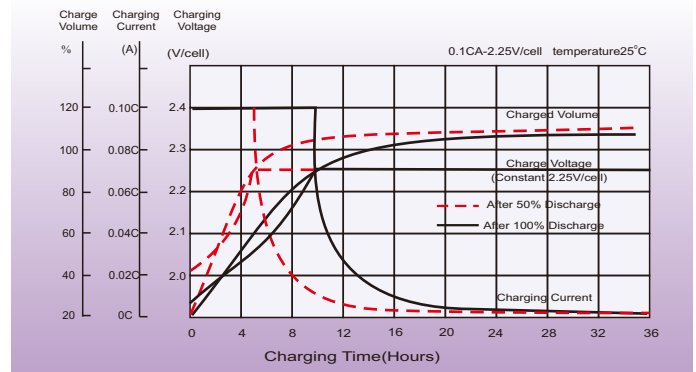
Unit: mm [inches]



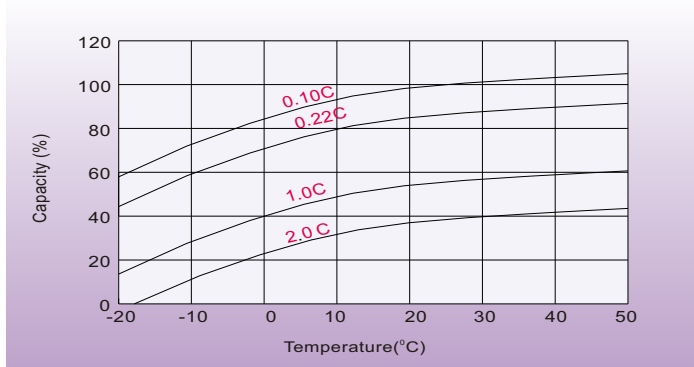
Discharge Characteristics



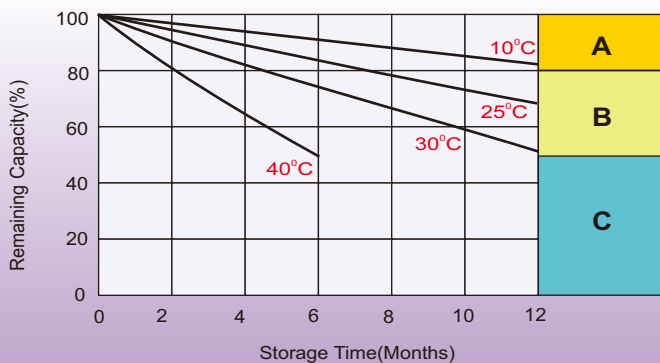
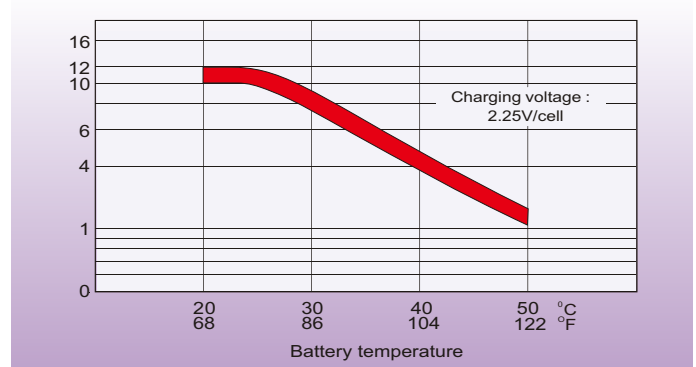
Float Charging Characteristics



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.

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