

Specification

Nominal Voltage	12V		
Nominal Capacity(20HR)	240.0AH		
Cold Cranking Amps (CCA)	1400CCA		
Reserve Capacity (Min)	840 Minutes		
Dimension	Length	506±3mm (19.92 inches)	
	Width	268±3mm (10.55 inches)	
	Container Height	220±3mm (8.66 inches)	
	Total Height (with Terminal)	226±3mm (8.90 inches)	
Approx Weight	Approx 68.3 Kg		
Terminal	T11		
Container Material	ABS		
Rated Capacity	240.0 AH/12.0A	(20hr, 1.80V/cell, 25°C/77°F)	
	223.0 AH/22.3A	(10hr, 1.80V/cell, 25°C/77°F)	
	202.0 AH/40.4A	(5hr, 1.75V/cell, 25°C/77°F)	
	181.2 AH/60.4A	(3hr, 1.75V/cell, 25°C/77°F)	
	157.4 AH/157.4A	(1hr, 1.60V/cell, 25°C/77°F)	
Max. Discharge Current	2000A (5s)		
Internal Resistance	Approx 2.7mΩ		
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 67.5A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C		
Standby Use	Initial Charging Current less than 67.5A. 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 LPC 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

- ♦ Electric tools
- ♦ Vehicle in place of walking
- ♦ Lawn mowers
- ♦ Golf trolleys and golf cart
- ♦ Portable apparatus, lights and instruments;
- ♦ Electric toys
- ♦ Illumination light
- ♦ Fire alarms
- ♦ Portable power
- ♦ Wheelchairs
- ♦ Medical equipments.

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

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	365.9	313.8	277.5	220.8	168.3	136.3	79.1	57.4	45.9	38.5	33.2	26.3	21.8	11.8
1.80V/cell	423.1	348.3	299.3	235.3	175.7	141.1	81.0	59.0	47.0	39.5	34.1	27.0	22.3	12.0
1.75V/cell	460.8	373.6	316.3	243.9	182.4	145.7	82.9	60.4	48.3	40.4	34.8	27.5	22.7	12.2
1.70V/cell	496.5	393.6	330.6	253.0	187.2	149.5	85.3	61.5	49.1	41.1	35.4	27.9	23.1	12.4
1.65V/cell	523.7	415.4	347.5	262.1	192.6	153.4	87.2	62.8	50.0	41.8	36.0	28.3	23.4	12.5
1.60V/cell	556.4	436.2	361.2	271.2	199.0	157.4	89.0	64.2	50.9	42.5	36.5	28.7	23.7	12.7

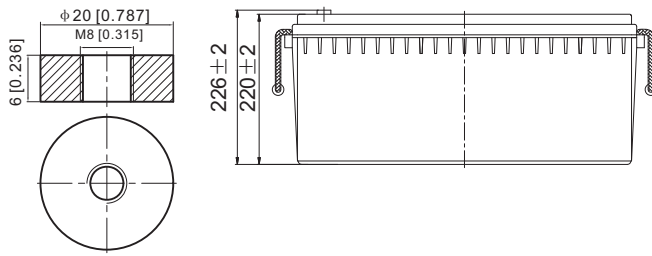
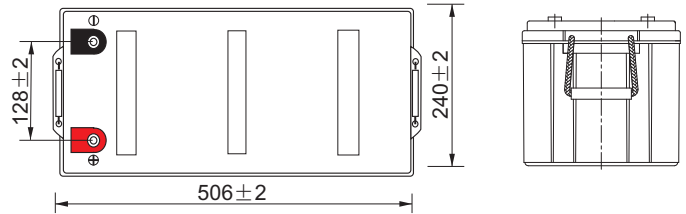
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	702.0	608.1	541.6	433.5	332.3	270.4	157.5	114.6	92.0	77.4	67.0	53.3	44.1	23.9
1.80V/cell	804.4	669.5	580.4	459.2	344.9	278.6	160.7	117.4	94.0	79.1	68.4	54.3	45.0	24.3
1.75V/cell	869.7	713.5	609.8	474.0	356.8	286.8	164.0	119.8	96.2	80.7	69.7	55.1	45.6	24.6
1.70V/cell	928.8	746.6	634.0	489.8	365.2	293.5	168.3	121.7	97.5	81.9	70.5	55.9	46.3	24.9
1.65V/cell	973.8	783.8	663.5	505.8	374.9	300.3	171.6	124.0	99.1	83.0	71.6	56.5	46.8	25.1
1.60V/cell	1025.6	817.5	686.2	521.2	385.7	307.2	174.6	126.3	100.7	84.2	72.5	57.1	47.3	25.4

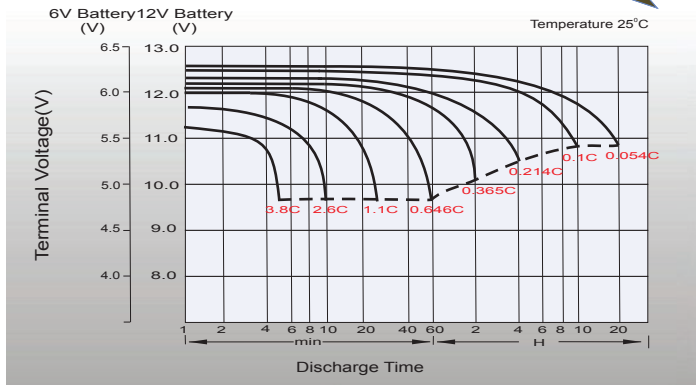
Dimensions

T11 Terminal

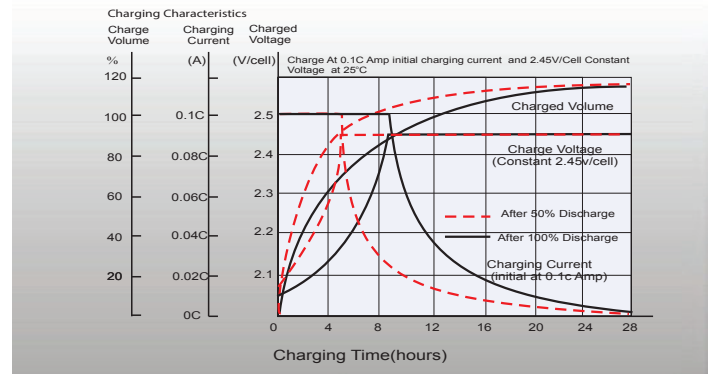
Unit: mm [inches]



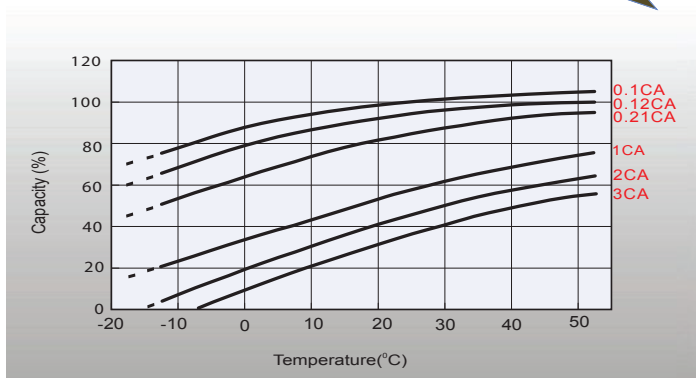
Discharge Characteristics



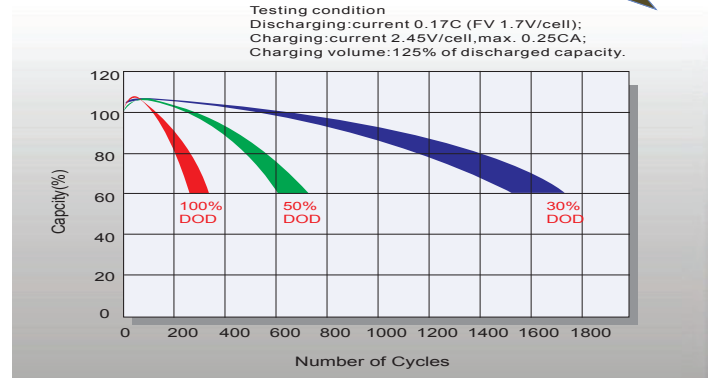
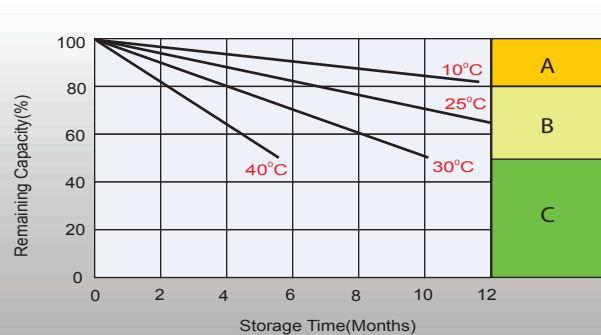
Charging Characteristics (cycle use)



Temperature Effects in Relation to Battery Capacity



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 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.

Head Office

SUPER START
BATTERIES

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