

AGM GOLF SERIES -Deep Cycle

LG-A150 (12V22AH)

Specification

Nominal Voltage	12V	
Nominal Capacity(20HR)	22.0AH	
Dimension	Length	181±2mm (7.13 inches)
	Width	76.5±1mm (3.01 inches)
	Container Height	170.5±2mm (6.73 inches)
	Total Height (with Terminal)	170.5±2mm (6.71 inches)
Approx Weight	Approx 6.90 Kg (15.21lbs)	
Terminal	T3	
Container Material	ABS	
Rated Capacity	22.0AH/1.10A	(20hr, 1.80V/cell, 25°C/77°F)
	20.0AH/2.00A	(10hr, 1.80V/cell, 25°C/77°F)
	17.5AH/3.51A	(5hr, 1.75V/cell, 25°C/77°F)
	15.9AH/5.30A	(3hr, 1.75V/cell, 25°C/77°F)
	12.9AH/12.9A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	300A (5s)	
Internal Resistance	Approx 15.0mΩ	
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 6.0A. 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 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

Golf trolleys
Electric tools
Vehicle in place of walking
Lawn mowers
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														1.08
1.80V/cell														1.10
1.75V/cell														1.12
1.70V/cell														1.13
1.65V/cell														1.14
1.60V/cell														1.15

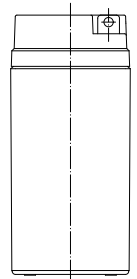
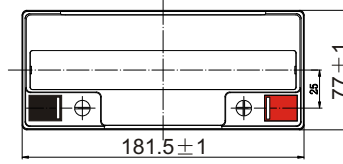
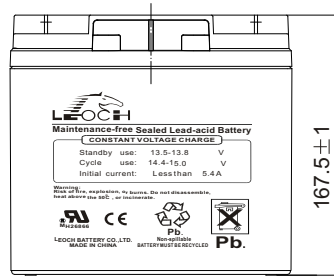
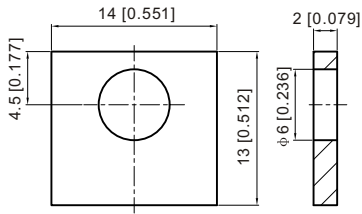
Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell														
1.80V/cell														
1.75V/cell														
1.70V/cell														
1.65V/cell														
1.60V/cell														

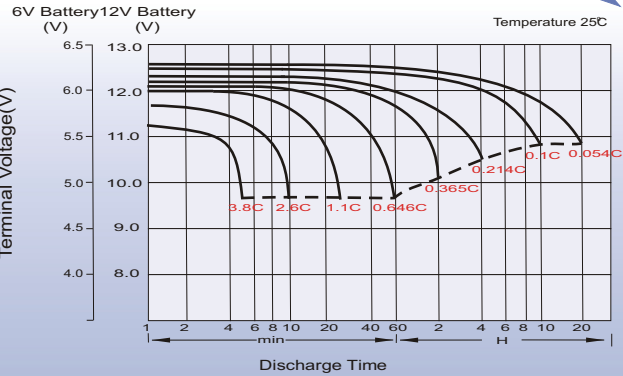
Dimensions

T3 Terminal

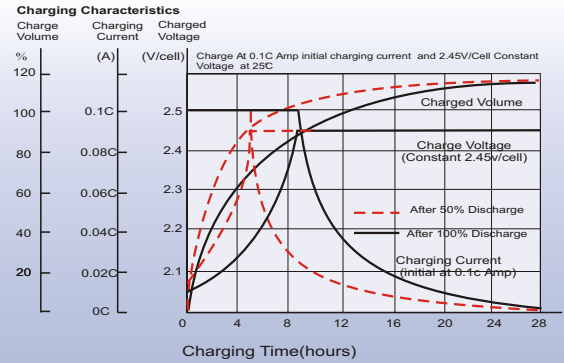
Unit: mm [inches]



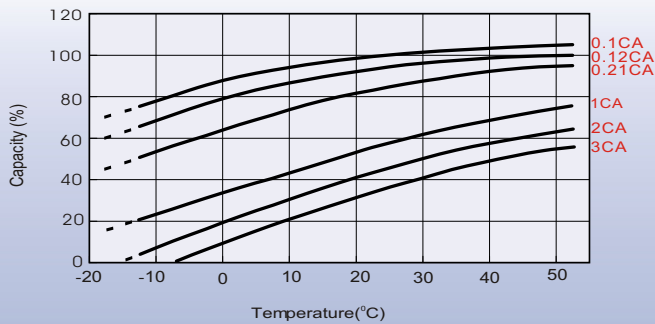
Discharge Characteristics



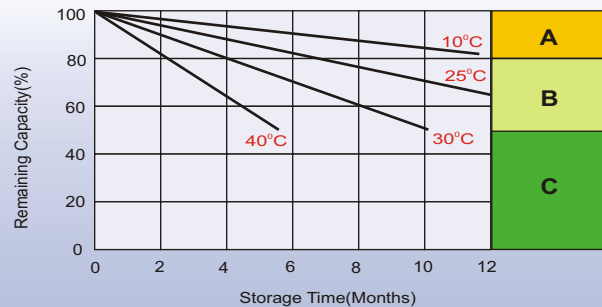
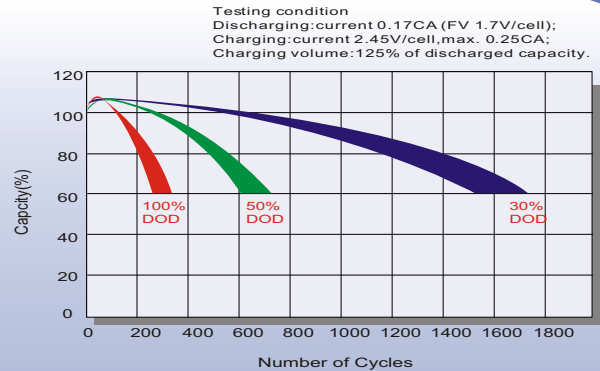
Charging Characteristics



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 volatge 2.25V/cell.
 2. Charged for above 20 hours at limited current 0.25CA and constant volatge 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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