



LEADING
SINCE 1969

LEADER

ENERGY TO PERFORM

Low self discharge & long life

**SMF
LEAD ACID
BATTERY**



**ULTRA LOW SELF
DISCHARGING**



**HIGH GRADE LEAD
CALCIUM ALLOY
GRID FOR EXTENDED LIFE**



**QUICK DEEP
DISCHARGE
RECOVERY**



**ROBUST ABS
CASING**

INDIA'S LARGEST INTREGATED BATTERY MANUFACTURING FACILITIES

SPECIFICATIONS CHART

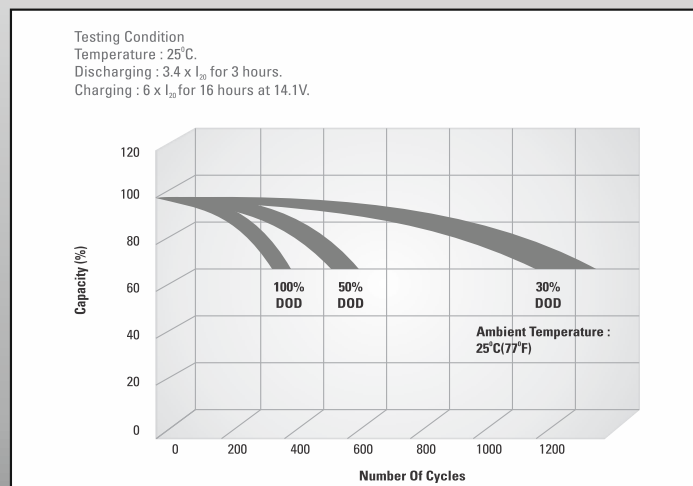
Type of Battery	Nominal Voltage (V)	Rated Capacity (Ah) at 27 °C.						Dimensions (mm)				Weight ±5% (Kg)
		20 hrs 1.75 V/cell	10 hrs 1.75 V/cell	3hrs 1.7 V/cell	1.5 hrs 1.7 V/cell	1 hrs 1.6 V/cell	30 mins. 1.6 V/cell	Overall Height (±2)	Height upto lid top (±2)	Length (±1)	Width (±1)	
LS7.5-12	12	7.5	6.9	5.5	5.3	4.5	3.7	100	94	151	65	2.40
LS 9-12	12	9	8.1	6.8	6.4	5.4	4.5	100	94	151	65	2.6
LS12-12	12	12	11.2	9.0	8.6	7.2	6.0	100	94	151	98	3.8
LS18-12	12	18	16.9	13.7	13	10.8	9.0	167	167	181	76	5.0
LS 26-12	12	26	24.0	19.5	18.7	15.6	13.0	179	179	178	124	8.8
LS42-12	12	42	38.5	31.5	30.2	25.2	21.0	181	181	201	165	13.9
LS65-12	12	65	60.0	48.6	46.8	39.0	32.5	181	181	350	166	20.2
LS75-12	12	75	69.0	56.2	54.0	45.0	37.5	183	183	391	166	23.0
LS84-12	12	84	76.4	63.0	60.5	50.5	42.0	235	235	407	173	30.0
LS 100-12	12	100	91.0	75.0	72.0	60.0	50.0	235	235	407	173	32.5
LS 120-12	12	120	109.0	90.0	86.4	72.0	60.0	239	239	452	172	38.0
LS150-12	12	150	136.5	112.5	108.0	90.0	75.0	250	250	536	186	46.8
LS200-12	12	200	182.0	150.0	144.0	120.0	100.0	250	250	536	250	64.8

*Specifications are under continuous improvement. Subject to change without notice.

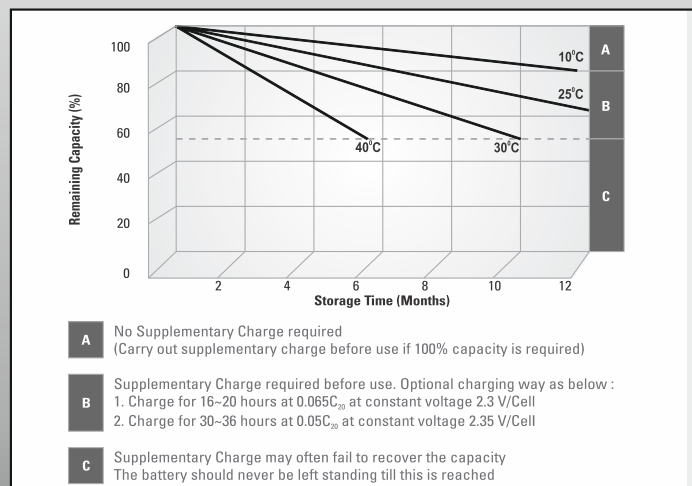
Charge Parameters		
Recharge voltages: Batteries to be charged in CC-CV mode only		
Recharge Voltage Type	Voltage settings per 12 V unit for ambient temperature 20-30°C	Current setting
Float	13.7 ±0.1 V	Maximum: 30% of rated Ah
Boost	14.1 ±0.1 V	Minimum: 10% of rated Ah
Cyclic	14.7 ±0.1 V	
Temperature compensation (Reference 25°C)		FLOAT : -18mV /°C / 12 V unit CYCLIC : -30 mV /°C / 12 V unit

Product Details	
Operating Temperature Range	0°C-45°C
Recommended Operating Temperature	5°C-35°C
Recommended Storage Period	3-6 months (from date of Mfg.) at 20°C-30°C
Self-discharge per month	<3% of Rated Capacity at 25°C
Ah Efficiency	>90%
Wh Efficiency	>80%
Material of lid/Container	ABS-12V 7.5Ah-12V 26Ah PPCP-12V 42Ah-12V 200Ah **FRV0 option available

Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



CORPORATE OFFICE

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110032

INTERNATIONAL BUSINESS OFFICE

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MANUFACTURING UNIT

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