

LECXO®

LX65-12 (12V65AH)

RECHARGEABLE SEALED LEAD-ACID BATTERY



UPS
SYSTEM



GENERAL
PURPOSE



EMERGENCY
LIGHTING



MEDICAL



FIRE &
SECURITY



LX-Series
MADE IN VIETNAM

APPLICATIONS

- All purpose
- Uninterruptible Power Supply (UPS)
 - Electric Power System (EPS)
- Emergency backup power supply
 - Alarm and security system
- Communication power supply
 - DC power supply
 - Auto control system

GENERAL FEATURES

- 7 years design life(25°C)
- Special exhaust structure and sealing technology, safe and reliable, flexible installation, convenient maintenance
 - PbCaSn alloy for plate grids: less gassing, less self- discharging
- High quality AGM separator: extend cycle life and prevent micro short circuit
- High purity raw material: ensure low self discharge rate

STANDARDS

Compliance with & Manufacturing Facilities Certified by:

- ISO 45001, 9001 & 14001
- IEC 60896 Standard
- EU Battery Directive
 - UL Certified
 - CE Certified

SPECIFICATIONS

Rated Voltage 12V

Nominal Capacity 65.0Ah (C₂₀ 1.80 V/cell)

Dimension

Length	348±2mm (13.7inches)
Width	167±2mm (6.57 inches)
Container Height	178±2mm (7.01 inches)
Total Height	178±2mm (7.01inches)

Approx Weight 19.2 Kg (42.3 lbs)

Terminal M6

Container Material ABS

Rated Capacity (25°C)

63.0Ah	(20hr, 3.15A, 1.80V/cell)
60.0Ah	(10hr, 6.00A, 1.80 V/cell)
54.5Ah	(5hr, 10.9A, 1.75 V/cell)
49.8Ah	(3hr, 16.6A, 1.75 V/cell)
38.3Ah	(1hr, 38.3A, 1.60 V/cell)

Max. Discharge Current 600A (5s)

Internal Resistance (25°C) Approx 7.4mΩ

Operating Temp. Range

Discharge	-15 ~ 50°C (5 ~ 122°F)
Charge	0 ~ 40°C (32 ~ 104°F)
Storage	-15 ~ 40°C (5 ~ 104°F)

National Operating Temp Range 25±3°C (77±5°F)

Cycle Use Initial Charging Current less than 18.0A Voltage 14.4V ~ 15.0V at 25°C (77°F) Temp. Coefficient - 30mV/°C

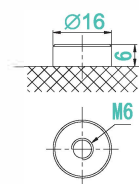
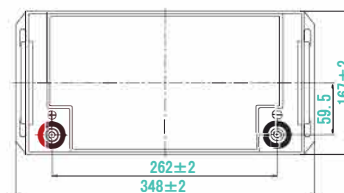
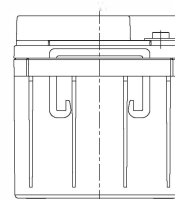
Standby Use Initial Charging Current less than 18.0A Voltage 13.5V ~ 13.8V at 25°C (77°F) Temp Coefficient - 20m V/°C

Effect of Temp to Capacity

40°C (104°F)	103%
25°C (77°F)	100%
0°C (32°F)	86%

Self Discharge LX Series batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperature the time interval will be shorter

DIMENSIONS



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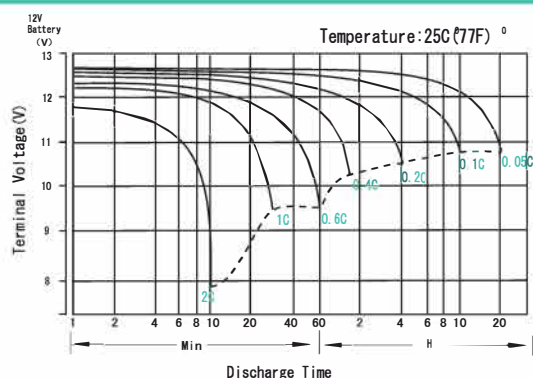
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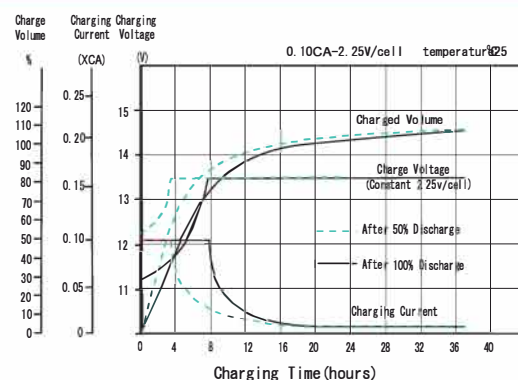
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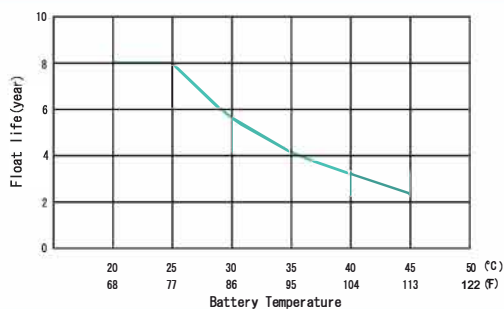
DISCHARGE CHARACTERISTICS



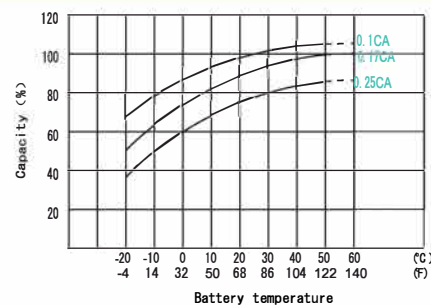
FLOAT CHARGING CHARACTERISTICS



FLOAT SERVICE LIFE



TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



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

F.V/Time	15min	20min	30min	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	77.0	60.5	54.1	33.5	24.3	20.4	15.0	11.8	10.2	6.92	5.73	3.04
1.80V/cell	87.2	68.4	58.9	34.7	25.1	21.1	16.3	12.5	10.7	7.28	6.00	3.15
1.75V/cell	94.4	73.9	60.1	36.4	26.4	22.2	16.6	12.8	10.9	7.31	6.06	3.18
1.70V/cell	100.3	78.3	61.3	37.2	26.9	22.6	16.9	13.0	11.1	7.43	6.12	3.21
1.67V/cell	103.2	80.5	62.2	37.7	27.3	23.0	17.1	13.2	11.3	7.53	6.20	3.25
1.60V/cell	106.4	82.5	63.1	38.3	27.7	23.3	17.2	13.4	11.5	7.63	6.27	3.29

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

F.V/Time	15min	20min	30min	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	145.7	115.1	103.4	64.8	47.1	39.7	29.3	23.1	20.1	13.7	11.4	6.05
1.80V/cell	163.0	128.8	111.7	66.8	48.5	40.8	31.6	24.5	21.0	14.4	11.9	6.26
1.75V/cell	174.0	137.4	113.1	69.8	50.7	42.8	32.2	24.9	21.3	14.4	12.0	6.32
1.70V/cell	182.9	144.5	114.4	70.8	51.5	43.5	32.7	25.2	21.6	14.6	12.1	6.38
1.67V/cell	185.9	146.8	115.2	71.4	52.0	43.9	32.8	25.5	22.0	14.8	12.3	6.45
1.60V/cell	188.5	148.9	115.7	72.0	52.4	44.3	33.0	25.7	22.2	15.0	12.4	6.51