

LECXO®

LX36-12(12V36AH)

RECHARGEABLE SEALED LEAD-ACID BATTERY



LX-Series
MADE IN VIETNAM



UPS
SYSTEM



GENERAL
PURPOSE



EMERGENCY
LIGHTING



MEDICAL



FIRE &
SECURITY

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

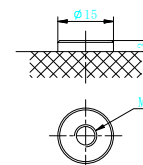
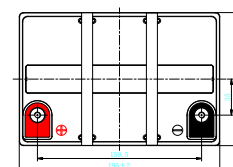
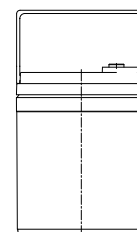
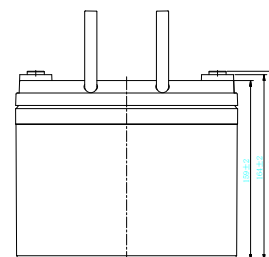
STANDARDS

- Compliance with IEC60896 standards, EU Battery Directive
- Manufactured with IATF16949, ISO 9001, ISO 14001 and ISO 45001 certified production facilities

SPECIFICATIONS

Rated Voltage		12V
Nominal Capacity	36.0Ah	(C ₂₀ ,1.75V/cell)
Dimension	Length	195±1mm (7.68 inches)
	Width	130±1mm (5.12 inches)
	Container Height	164±1mm (6.46 inches)
	Total Height	167±1mm (6.57 inches)
Approx Weight		10.7 Kg (23.6 lbs)
Terminal		T6-I(M6)
Container Material		ABS
Rated Capacity(25°C)	36.0 Ah	(20hr,1.80A,1.75V/cell)
	34.0 Ah	(10hr,3.40A,1.75V/cell)
	30.8 Ah	(5hr,6.19A,1.75V/cell)
	27.9 Ah	(3hr,9.29A,1.75V/cell)
	24.5 Ah	(1hr,24.5A,1.60V/cell)
Max. Discharge Current		540A (5s)
Internal Resistance(25°C)		Approx10mΩ
Operating Temp. Range	Discharge	-15 ~50° C (5 ~122° F)
	Charge	-20 ~40° C (-4 ~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 10.8 A. Voltage 14.4V-15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	Initial Charging Current less than 10.8 A. Voltage 13.5V-13.8V at 25°C(77°F)Temp. Coefficient -20mV/°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 s the time interval will be shorter.		

DIMENSIONS



T6-I

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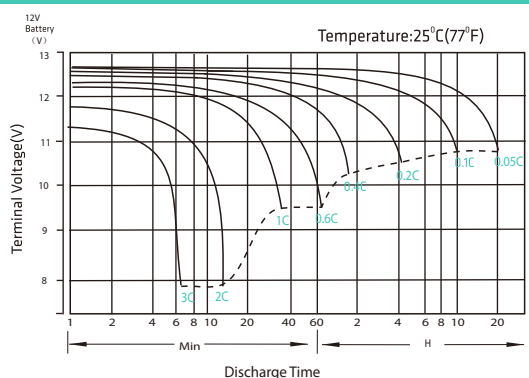
FIRE &
SECURITY



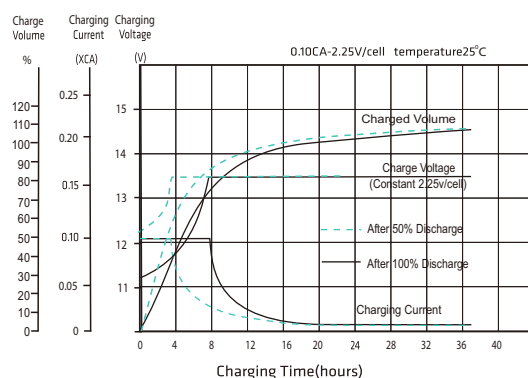
LX-Series
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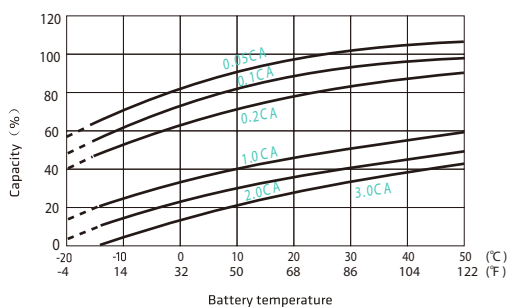
DISCHARGE CHARACTERISTICS



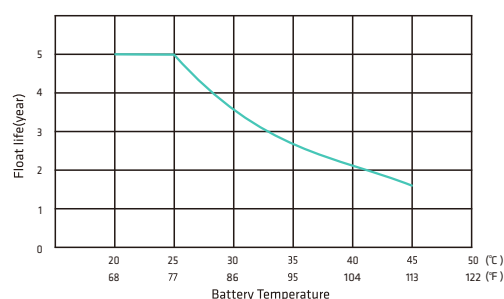
FLOAT CHARGING CHARACTERISTICS



TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



FLOAT SERVICE LIFE



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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	117.7	80.7	62.1	50.2	37.0	27.1	22.1	16.1	12.7	8.99	7.09	6.03	5.16	4.07	3.32	1.76
1.80V/cell	126.6	85.6	65.2	52.3	38.2	27.8	22.7	16.5	12.9	9.14	7.19	6.12	5.25	4.12	3.37	1.78
1.75V/cell	133.4	89.0	67.4	53.7	39.1	28.4	23.1	16.8	13.1	9.29	7.28	6.19	5.31	4.18	3.40	1.80
1.70V/cell	139.7	92.6	69.6	55.2	40.1	29.0	23.6	17.1	13.3	9.42	7.39	6.28	5.37	4.22	3.44	1.81
1.67V/cell	144.5	95.1	71.3	56.4	40.8	29.4	24.0	17.3	13.4	9.51	7.46	6.34	5.42	4.25	3.47	1.83
1.60V/cell	153.3	99.2	73.7	58.1	42.0	30.2	24.5	17.7	13.7	9.69	7.59	6.44	5.49	4.31	3.51	1.85

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	222.7	153.6	118.9	96.8	71.5	52.5	43.1	31.5	24.7	17.7	14.0	11.9	10.2	8.06	6.61	3.52
1.80V/cell	237.2	161.7	124.0	100.1	73.3	53.7	44.0	32.1	25.1	17.9	14.1	12.0	10.4	8.18	6.70	3.56
1.75V/cell	247.2	166.9	127.3	102.3	75.0	54.6	44.7	32.5	25.5	18.2	14.3	12.2	10.5	8.26	6.76	3.60
1.70V/cell	256.3	172.5	130.8	104.7	76.5	55.6	45.4	33.0	25.8	18.4	14.5	12.3	10.6	8.33	6.82	3.63
1.67V/cell	263.0	176.3	133.7	106.7	77.7	56.4	46.0	33.3	26.0	18.5	14.6	12.4	10.7	8.39	6.87	3.66
1.60V/cell	273.6	181.4	137.3	109.3	79.4	57.4	46.8	33.9	26.4	18.8	14.8	12.7	10.8	8.51	6.94	3.69