

LECXO®

LX5-12 (12V-5AH)

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

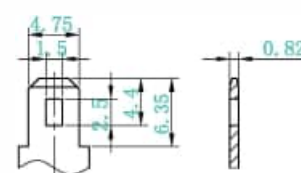
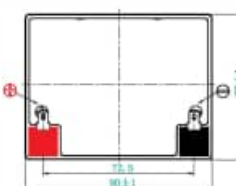
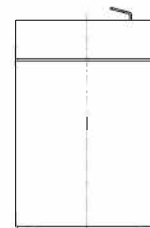
Compliance with & Manufacturing Facilities Certified by:

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

SPECIFICATIONS

Rated Voltage		12V
Nominal Capacity	5.0Ah	(C ₂₀ 1.75 V/cell)
Dimension	Length	90±1mm (3.54inches)
	Width	70±1mm (2.76 inches)
	Container Height	101±2mm (3.98 inches)
	Total Height	107±2mm (4.21 inches)
Approx Weight		1.82Kg (4.03 lbs)
Terminal		T1
Container Material		ABS
Rated Capacity (25°C)	5.00Ah	(20hr,0.250A,1.75V/cell)
	4.73Ah	(10hr,0.473A,1.75 V/cell)
	4.30Ah	(5hr,0.860A,1.75 V/cell)
	3.81Ah	(3hr,1.27A,1.75 V/cell)
	3.27Ah	(1hr,3.27A,1.60 V/cell)
Max. Discharge Current		90A (5s)
Internal Resistance (25°C)		Approx 35m
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 3.6A Voltage	
	14.4V ~15.0V at 25°C (77°F) Temp. Coefficient - 30mV/°C	
Standby Use	Initial Charging Current less than 3.6A 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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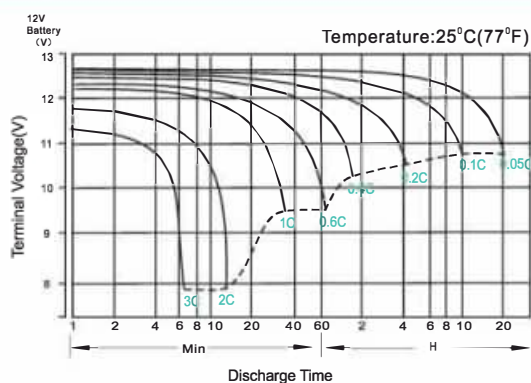
FIRE &
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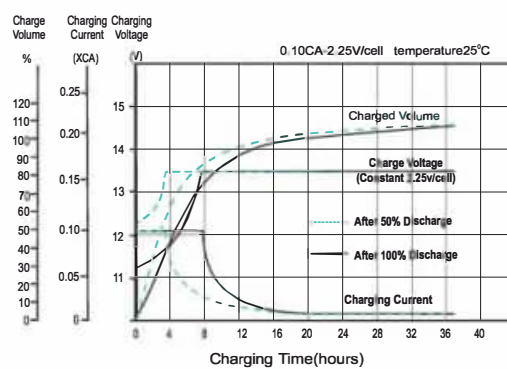
LX-Series
MADE IN VIETNAM



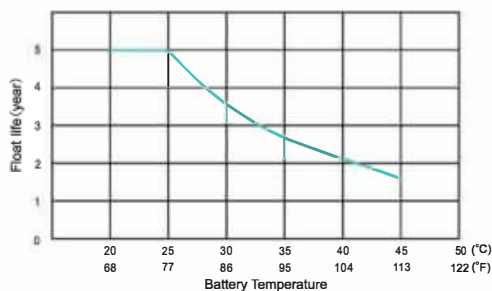
DISCHARGE CHARACTERISTICS



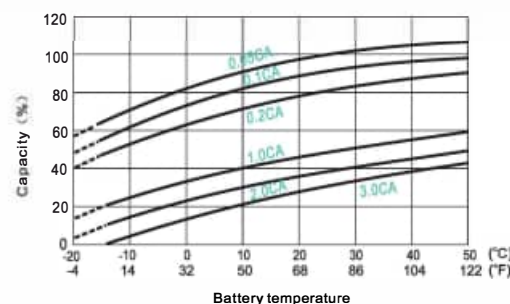
FLOAT CHARGING CHARACTERISTICS



FLOAT SERVICE LIFE



TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



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

F.v/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	15.55	10.23	8.13	6.72	4.92	3.62	2.96	2.17	1.70	1.23	0.98	0.83	0.71	0.56	0.462	0.244
1.80V/cell	16.72	10.85	8.53	6.99	5.10	3.71	3.03	2.21	1.74	1.25	0.99	0.85	0.73	0.57	0.468	0.247
1.75V/cell	17.62	11.28	8.81	7.18	5.23	3.79	3.10	2.26	1.77	1.27	1.01	0.86	0.73	0.58	0.473	0.250
1.70V/cell	18.45	11.74	9.11	7.39	5.37	3.88	3.15	2.29	1.79	1.29	1.02	0.87	0.74	0.58	0.478	0.252
1.67V/cell	19.09	12.07	9.33	7.54	5.46	3.94	3.20	2.32	1.81	1.30	1.03	0.88	0.75	0.59	0.481	0.254
1.60V/cell	20.25	12.58	9.65	7.77	5.61	4.04	3.27	2.37	1.85	1.33	1.05	0.89	0.76	0.60	0.487	0.215

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	29.42	19.48	15.57	12.95	9.56	7.01	5.76	4.24	3.34	2.42	1.93	1.65	1.41	1.12	0.918	0.489
1.80V/cell	31.33	20.50	16.24	13.39	9.81	7.18	5.88	4.31	3.39	2.45	1.96	1.67	1.43	1.13	0.930	0.495
1.75V/cell	31.65	21.17	16.67	13.69	10.02	7.31	5.98	4.38	3.44	2.49	1.98	1.69	1.45	1.14	0.938	0.500
1.70V/cell	33.86	21.87	17.12	14.01	10.23	7.44	6.07	4.44	3.49	2.52	2.00	1.71	1.46	1.15	0.947	0.504
1.67V/cell	34.74	22.36	17.49	14.27	10.39	7.54	6.15	4.49	3.52	2.54	2.02	1.72	1.48	1.16	0.954	0.508
1.60V/cell	36.15	23.01	17.97	14.62	10.62	7.68	6.26	4.57	3.58	2.58	2.05	1.74	1.49	1.18	0.965	0.514