

LECXO®

LX7-12(12V7AH)

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

- 5 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

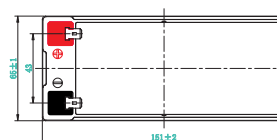
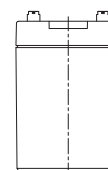
Compliance with & Manufacturing Facilities Certified by:

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

SPECIFICATIONS

Rated Voltage	12V	
Nominal Capacity	7.0Ah	(C ₂₀ : 1.75 V/Cell)
Dimension	Length	150±2mm (5.95inches)
	Width	65±1mm (2.56 inches)
	Container Height	93.5±1mm (3.68 inches)
	Total Height	99.5±1mm (3.92 inches)
Approx Weight	2.17 Kg (4.78 lbs)	
Terminal	T1/T2	
Container Material	ABS	
Rated Capacity (25 °C)	7.00Ah	(20hr, 0.350A, 1.75V/cell)
	6.62Ah	(10hr, 0.662A, 1.75 V/cell)
	6.00Ah	(5hr, 1.200A, 1.75 V/cell)
	5.37Ah	(3hr, 1.79A, 1.75 V/cell)
	4.60Ah	(1hr, 4.60A, 1.60 V/cell)
Max. Discharge Current	105A (5s)	
Internal Resistance (25°C)	Approx 25mΩ	
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 2.10A Voltage	
	14.4V ~ 15.0V at 25°C (77° F) Temp . Coefficient - 30mV/°C	
Standby Use	Initial Charging Current less than 2.10A 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



T2

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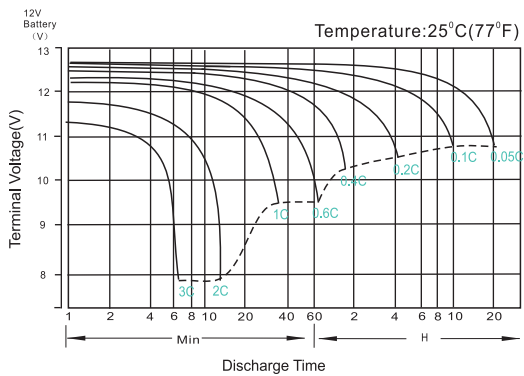
FIRE &
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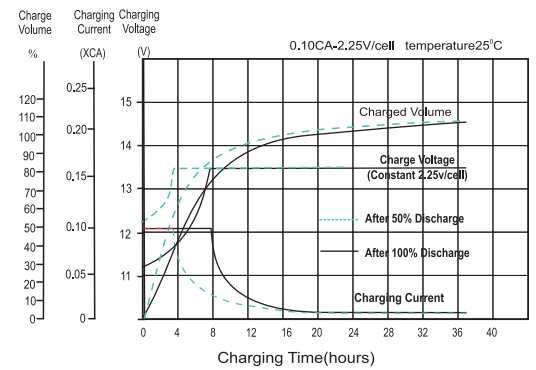
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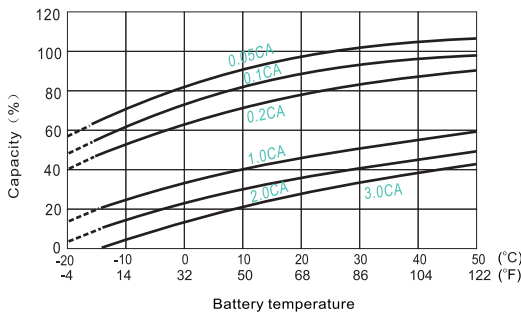
DISCHARGE CHARACTERISTICS



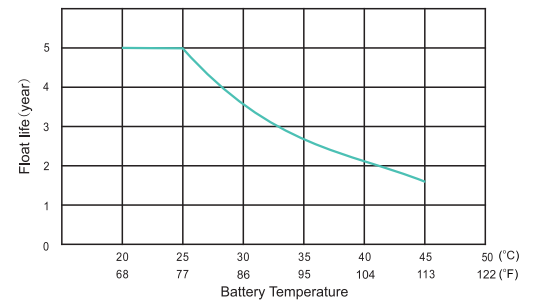
FLOAT CHARGING CHARACTERISTICS



FLOAT SERVICE LIFE



TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	23.64	15.14	11.53	9.38	6.90	5.05	4.16	3.05	2.40	1.73	1.38	1.17	1.00	0.79	0.647	0.342
1.80V/cell	25.42	16.05	12.10	9.75	7.12	5.18	4.26	3.11	2.44	1.76	1.40	1.19	1.02	0.80	0.656	0.346
1.75V/cell	26.78	16.69	12.50	10.02	7.30	5.29	4.35	3.17	2.48	1.79	1.42	1.20	1.03	0.81	0.662	0.350
1.70V/cell	28.04	17.36	12.92	10.32	7.49	5.41	4.43	3.22	2.52	1.81	1.44	1.22	1.04	0.82	0.669	0.353
1.67V/cell	29.01	17.85	13.24	10.53	7.62	5.50	4.50	3.27	2.55	1.83	1.45	1.23	1.05	0.83	0.674	0.356
1.60V/cell	30.78	18.60	13.69	10.84	7.83	5.64	4.60	3.34	2.60	1.86	1.48	1.25	1.07	0.84	0.682	0.359

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	44.71	28.81	22.08	18.07	13.35	9.79	8.10	5.96	4.69	3.40	2.72	2.32	1.99	1.57	1.285	0.684
1.80V/cell	47.62	30.33	23.03	18.69	13.70	10.02	8.27	6.06	4.77	3.45	2.75	2.35	2.02	1.59	1.302	0.692
1.75V/cell	49.63	31.32	23.65	19.10	13.99	10.20	8.41	6.15	4.84	3.49	2.78	2.37	2.04	1.61	1.313	0.700
1.70V/cell	51.46	32.35	24.29	19.55	14.28	10.39	8.53	6.24	4.90	3.54	2.82	2.40	2.06	1.62	1.326	0.706
1.67V/cell	52.80	33.08	24.81	19.91	14.50	10.52	8.65	6.31	4.94	3.57	2.84	2.42	2.07	1.63	1.335	0.711
1.60V/cell	54.94	34.04	25.49	20.40	14.82	10.72	8.80	6.42	5.03	3.62	2.88	2.45	2.10	1.65	1.351	0.719