

LECXO®

LX-Series
MADE IN VIETNAM

LX7.2-12(12V7.2AH)

RECHARGEABLE SEALED LEAD-ACID BATTERY



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

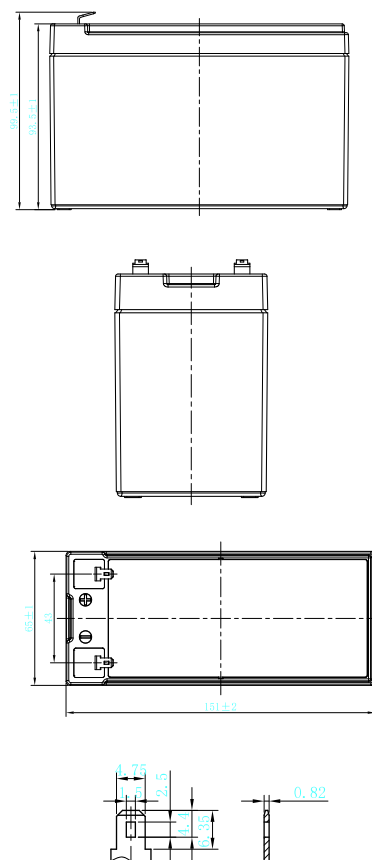
STANDARDS

- 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	7.2Ah	(C ₂₀ , 1.75V/cell)
Dimension	Length	151±2 mm(5.94 inches)
	Width	65±1mm(2.56 inches)
	Container Height	93.5±1mm(3.68 inches)
	Total Height	99.5±1mm(3.92 inches)
Approx Weight		2.32 Kg (5.11 lbs)
Terminal		T1/T2
Container Material		ABS
Rated Capacity(25°C)	7.2 Ah	(20hr,0.36A, 1.75V/cell)
	7.09Ah	(10hr,0.709A, 1.75V/cell)
	6.45Ah	(5hr,1.29A, 1.75V/cell)
	5.73Ah	(3hr,1.91A, 1.75V/cell)
	4.90Ah	(1hr,4.90A, 1.60V/cell)
Max. Discharge Current		108A (5s)
Internal Resistance(25°C)		Approx 23mΩ
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 2.16 A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	Initial Charging Current less than 2.16 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



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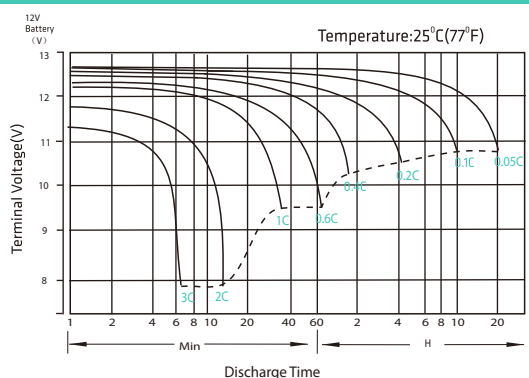
FIRE &
SECURITY



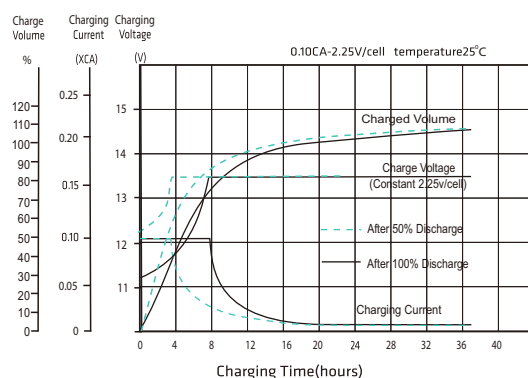
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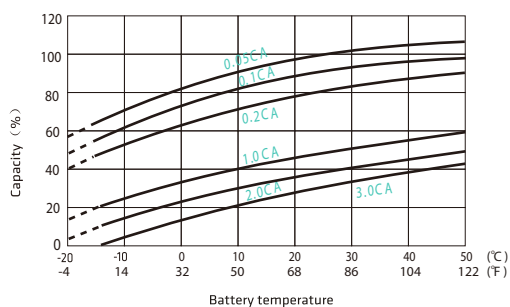
DISCHARGE CHARACTERISTICS



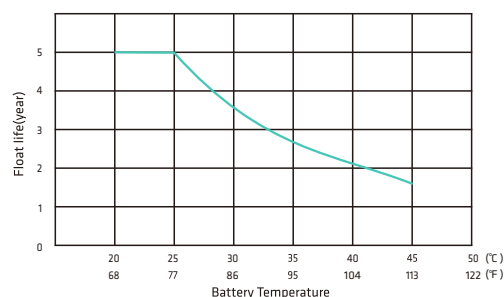
FLOAT CHARGING CHARACTERISTICS



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	24.4	16.5	12.3	10.1	7.40	5.41	4.43	3.25	2.57	1.85	1.48	1.26	1.08	0.850	0.693	0.352
1.80V/cell	26.3	17.5	12.9	10.5	7.63	5.56	4.54	3.31	2.62	1.88	1.50	1.27	1.09	0.860	0.702	0.356
1.75V/cell	27.7	18.2	13.3	10.8	7.83	5.68	4.63	3.37	2.66	1.91	1.52	1.29	1.11	0.870	0.709	0.360
1.70V/cell	29.0	19.0	13.8	11.1	8.03	5.80	4.72	3.43	2.70	1.94	1.54	1.31	1.12	0.880	0.717	0.363
1.67V/cell	30.0	19.5	14.1	11.3	8.17	5.90	4.79	3.48	2.73	1.96	1.55	1.32	1.13	0.890	0.722	0.366
1.60V/cell	31.8	20.3	14.6	11.6	8.39	6.04	4.90	3.55	2.79	2.00	1.58	1.34	1.14	0.900	0.731	0.370

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	46.2	31.5	23.5	19.4	14.3	10.5	8.62	6.34	5.03	3.64	2.91	2.48	2.13	1.68	1.38	0.704
1.80V/cell	49.2	33.1	24.5	20.0	14.7	10.7	8.80	6.45	5.11	3.69	2.95	2.51	2.16	1.70	1.40	0.712
1.75V/cell	51.3	34.2	25.2	20.5	15.0	10.9	8.95	6.55	5.19	3.74	2.98	2.54	2.18	1.72	1.41	0.720
1.70V/cell	53.2	35.3	25.9	21.0	15.3	11.1	9.08	6.64	5.25	3.79	3.02	2.57	2.20	1.74	1.42	0.726
1.67V/cell	54.5	36.1	26.4	21.3	15.5	11.3	9.20	6.71	5.30	3.82	3.04	2.59	2.22	1.75	1.43	0.732
1.60V/cell	56.8	37.2	27.1	21.9	15.9	11.5	9.37	6.83	5.38	3.88	3.09	2.63	2.25	1.77	1.45	0.739