

LECXO®

LX14-12(12V14AH)

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

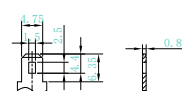
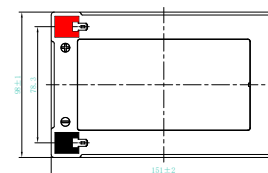
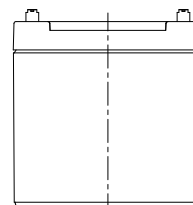
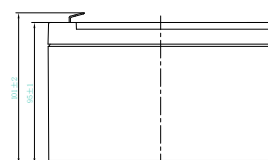
STANDARDS

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

SPECIFICATIONS

Rated Voltage		12V
Nominal Capacity		14Ah (C ₂₀ ,1.75V/cell)
Dimension	Length	151±2mm (5.95 inches)
	Width	98±1mm (3.86 inches)
	Container Height	95±1mm (3.74 inches)
	Total Height	101±2mm (3.98 inches)
Approx Weight		3.78 Kg (8.33 lbs)
Terminal		T1
Container Material		ABS
Rated Capacity(25°C)	14.0 Ah	(20hr,0.700A,1.75V/cell)
	13.2 Ah	(10hr,1.32A,1.75V/cell)
	12.5 Ah	(5hr,2.41A,1.75V/cell)
	10.7 Ah	(3hr,3.57A,1.75V/cell)
	9.20 Ah	(1hr,9.20A,1.60V/cell)
Max. Discharge Current		210A (5s)
Internal Resistance(25°C)		Approx14mΩ
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 than4.2A. Voltage 14.1V~14.4V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	Initial Charging Current less than 4.2A. 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 temperatures the time interval will be shorter.

DIMENSIONS



T1

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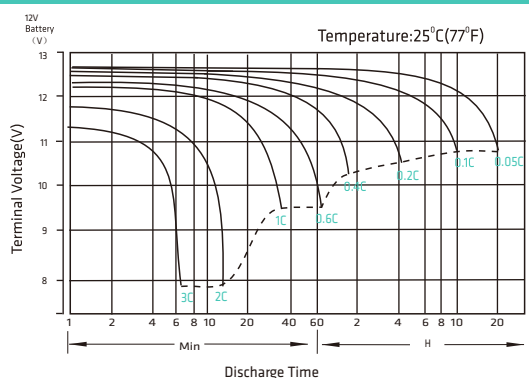
FIRE &
SECURITY



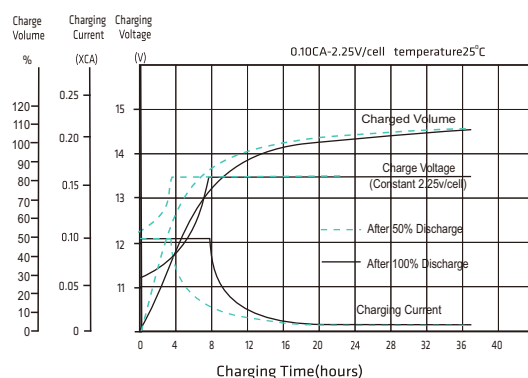
LX-Series
MADE IN VIETNAM



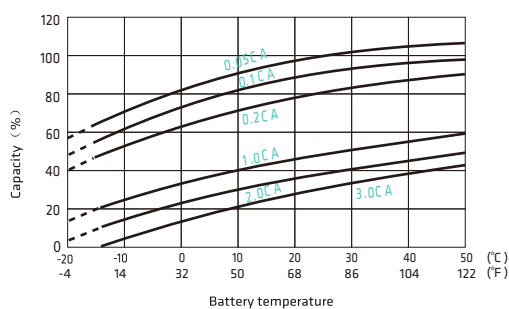
DISCHARGE CHARACTERISTICS



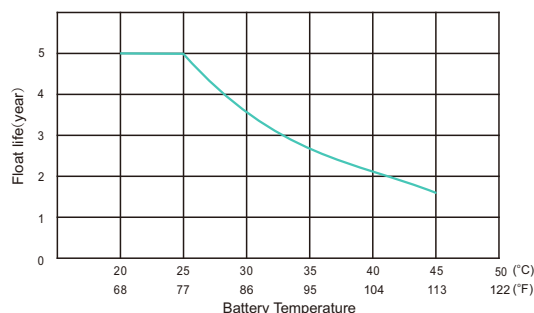
FLOAT CHARGING CHARACTERISTICS



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	44.2	30.3	23.6	19.2	13.9	10.2	8.33	6.10	4.79	3.46	2.76	2.35	2.01	1.58	1.29	0.684
1.80V/cell	47.5	32.1	24.7	19.9	14.3	10.4	8.53	6.23	4.88	3.52	2.80	2.38	2.04	1.60	1.31	0.692
1.75V/cell	50.0	33.4	25.5	20.5	14.7	10.7	8.70	6.34	4.97	3.57	2.83	2.41	2.06	1.62	1.32	0.700
1.70V/cell	52.4	34.7	26.4	21.1	15.1	10.9	8.86	6.45	5.04	3.62	2.87	2.44	2.09	1.64	1.34	0.706
1.67V/cell	54.2	35.7	27.0	21.5	15.3	11.1	9.00	6.53	5.10	3.66	2.90	2.46	2.11	1.65	1.35	0.711
1.60V/cell	57.5	37.2	28.0	22.2	15.8	11.4	9.20	6.67	5.20	3.73	2.95	2.50	2.14	1.68	1.36	0.719

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	83.5	57.6	45.1	36.9	26.9	19.7	16.2	11.9	9.38	6.80	5.43	4.63	3.97	3.14	2.57	1.37
1.80V/cell	89.0	60.7	47.1	38.2	27.6	20.2	16.5	12.1	9.53	6.90	5.50	4.69	4.03	3.18	2.60	1.38
1.75V/cell	92.7	62.6	48.3	39.0	28.2	20.5	16.8	12.3	9.68	6.99	5.57	4.74	4.07	3.21	2.63	1.40
1.70V/cell	96.1	64.7	49.6	39.9	28.8	20.9	17.1	12.5	9.80	7.08	5.63	4.80	4.11	3.24	2.65	1.41
1.67V/cell	98.7	66.2	50.7	40.7	29.2	21.2	17.3	12.6	9.89	7.14	5.68	4.84	4.15	3.27	2.67	1.42
1.60V/cell	102.7	68.1	52.1	41.7	29.8	21.6	17.6	12.8	10.05	7.25	5.76	4.90	4.20	3.31	2.70	1.44