

LECxo[®]

LX6-12(12V6AH)

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

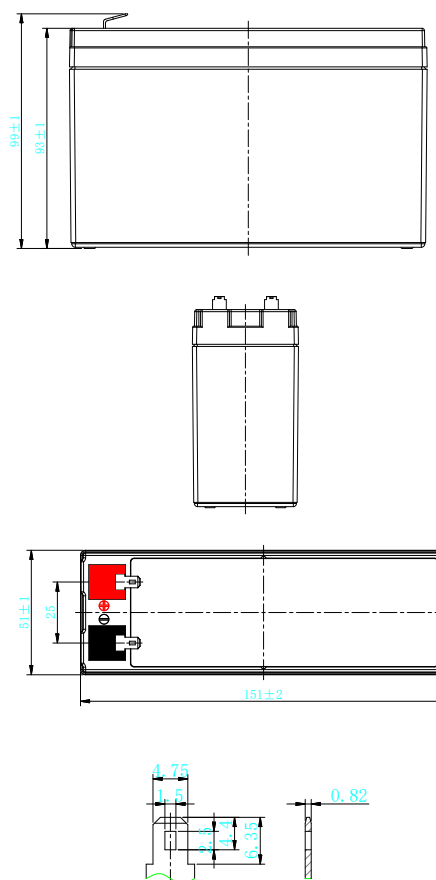
STANDARDS

- 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	6.0Ah	(C ₂₀ ,1.75V/cell)
Dimension	Length	151±1mm (5.94 inches)
	Width	51±1mm (2.01 inches)
	Container Height	93±1mm (3.66 inches)
	Total Height	99±1mm (3.90 inches)
Approx Weight	1.83 Kg (4.03 lbs)	
Terminal	T1	
Container Material	ABS	
Rated Capacity(25°C)	6.00 Ah	(20hr,0.300A,1.75V/cell)
	5.59 Ah	(10hr,0.559A,1.75V/cell)
	4.75 Ah	(5hr,0.950A,1.75V/cell)
	4.20 Ah	(3hr,1.40A,1.75V/cell)
	3.62 Ah	(1hr,3.62A,1.60V/cell)
Max. Discharge Current	90A (5s)	
Internal Resistance(25°C)	Approx24mΩ	
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 1.8 A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	Initial Charging Current less than 1.8 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



T1

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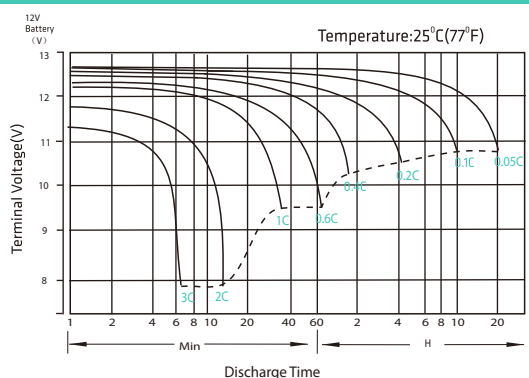


Lx-Series

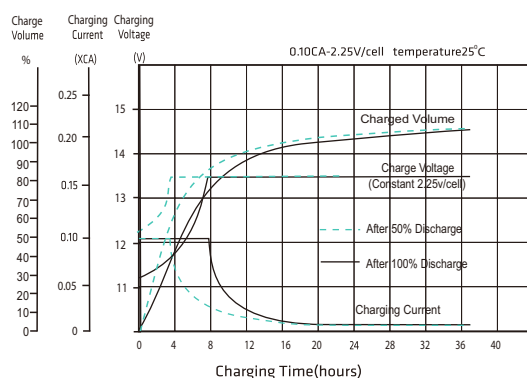
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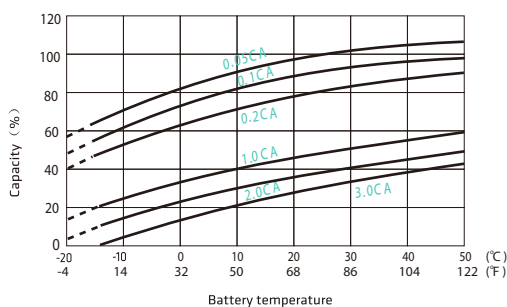
DISCHARGE CHARACTERISTICS



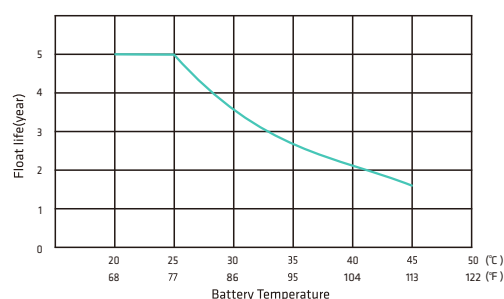
FLOAT CHARGING CHARACTERISTICS



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	16.2	11.1	8.88	7.29	5.41	3.99	3.27	2.40	1.88	1.36	1.08	0.920	0.790	0.620	0.546	0.294
1.80V/cell	17.4	11.8	9.31	7.58	5.58	4.10	3.35	2.45	1.92	1.38	1.10	0.930	0.800	0.630	0.552	0.297
1.75V/cell	18.3	12.3	9.62	7.79	5.73	4.19	3.42	2.49	1.95	1.40	1.11	0.950	0.810	0.640	0.559	0.300
1.70V/cell	19.2	12.8	10.0	8.02	5.87	4.28	3.48	2.53	1.98	1.42	1.13	0.960	0.820	0.640	0.566	0.303
1.67V/cell	19.9	13.1	10.2	8.18	5.98	4.35	3.54	2.57	2.00	1.44	1.14	0.970	0.830	0.650	0.570	0.305
1.60V/cell	21.1	13.7	10.5	8.42	6.14	4.46	3.62	2.62	2.04	1.46	1.16	0.980	0.840	0.660	0.579	0.309

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	30.6	21.2	17.0	14.0	10.5	7.75	6.36	4.68	3.69	2.67	2.13	1.82	1.56	1.23	1.08	0.588
1.80V/cell	32.6	22.3	17.7	14.5	10.7	7.93	6.50	4.76	3.75	2.71	2.16	1.84	1.58	1.25	1.10	0.594
1.75V/cell	34.0	23.0	18.2	14.8	11.0	8.07	6.60	4.83	3.80	2.75	2.19	1.86	1.60	1.26	1.11	0.600
1.70V/cell	35.2	23.8	18.7	15.2	11.2	8.22	6.71	4.91	3.85	2.78	2.21	1.89	1.62	1.27	1.12	0.606
1.67V/cell	36.1	24.3	19.1	15.5	11.4	8.33	6.80	4.96	3.88	2.80	2.23	1.90	1.63	1.28	1.13	0.610
1.60V/cell	37.6	25.0	19.6	15.9	11.6	8.48	6.92	5.04	3.95	2.85	2.26	1.93	1.65	1.30	1.15	0.619