

LECXO®

LX-Series
MADE IN VIETNAM

LX7-6 (6V-7AH)

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

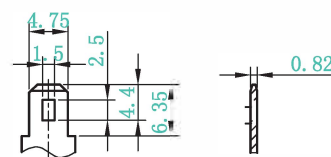
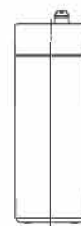
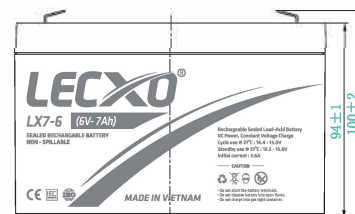
STANDARDS

- Compliance with & Manufacturing Facilities Certified by:
- ISO 45001, 9001 & 14001
 - IEC 60896 Standard
 - EU Battery Directive
 - UL Certified
 - CE Certified

SPECIFICATIONS

Rated Voltage		6V
Nominal Capacity	7.0Ah	(C ₂₀ 1.75 V/Cell)
Dimension	Length	151±2mm (5.94 inches)
	Width	34±1mm (1.34 inches)
	Container Height	94±1mm (3.70 inches)
	Total Height	100±2mm (3.94 inches)
Approx Weight		1.10 Kg (2.43 lbs)
Terminal		T1/T2
Container Material		ABS
Rated Capacity (25°C)	7.0 Ah	(20hr, 0.350A, 1.75V/cell)
	6.62 Ah	(10hr, 0.662A, 1.75 V/cell)
	6.00 Ah	(5hr, 1.200A, 1.75 V/cell)
	5.37 Ah	(3hr, 1.79A, 1.75 V/cell)
	4.60 Ah	(1hr, 4.60A, 1.60 V/cell)
Max. Discharge Current		105A (5s)
Internal Resistance (25°C)		Approx 15mΩ
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 2.1A. Voltage 7.2V~7.5V at 25°C (77°F) Approx 15m F)Temp. Coefficient -15mV/°C	
	Standby Use	
Effect of Temp to Capacity	Initial Charging Current less than 2.1A. Voltage 6.75V~6.9V at 25°C (77°F)Temp. Coefficient -10mV/°C	
	40°C (104°F)	103%
	25°C (77°F)	100%
Self Discharge	0°C (32°F)	86%
	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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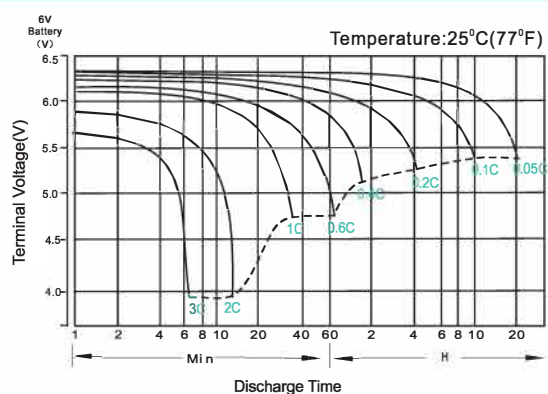
FIRE &
SECURITY



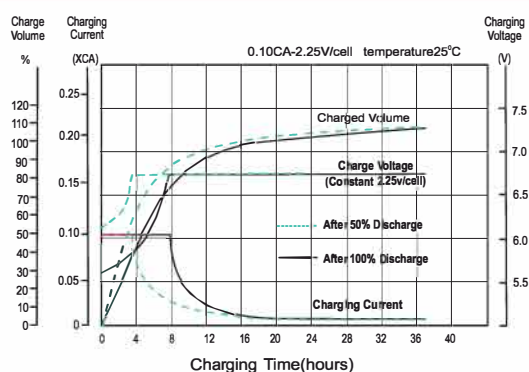
LX-Series
MADE IN VIETNAM



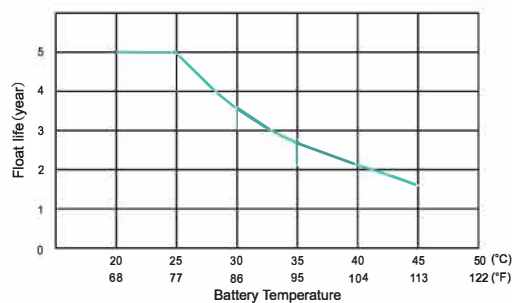
DISCHARGE CHARACTERISTICS



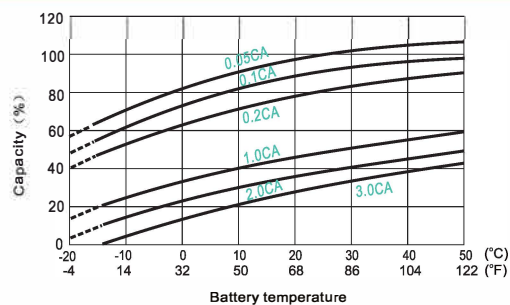
FLOAT CHARGING CHARACTERISTICS



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