

LECXO®

LX0.8-12(12V0.8AH)

RECHARGEABLE SEALED LEAD-ACID BATTERY



LX-Series

MADE IN CHINA



UPS
SYSTEM



GENERAL
PURPOSE



EMERGENCY
LIGHTING



MEDICAL



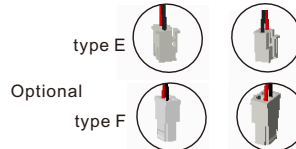
FIRE &
SECURITY

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

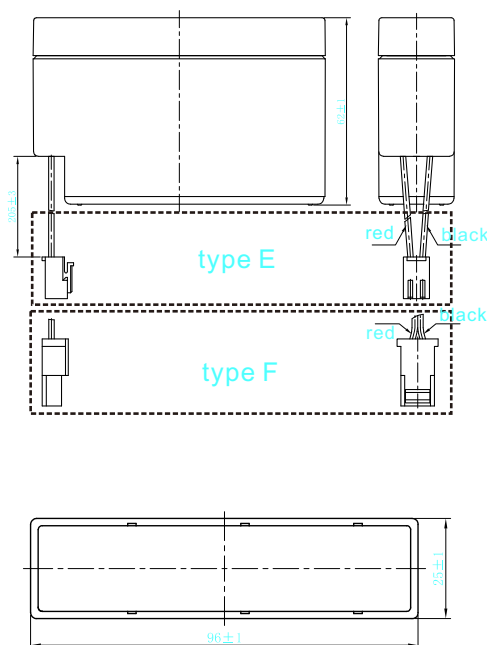
- Compliance with IEC60896 standards, EU Battery Directive

- Manufactured with IATF16949, ISO 9001, ISO 14001 and ISO 45001 certified production facilities

SPECIFICATIONS

Rated Voltage		12V
Nominal Capacity	0.8Ah	(C ₂₀ , 1.75V/cell)
Dimension	Length	96±1mm (3.78 inches)
	Width	25±1mm (0.984 inches)
	Container Height	62±1mm (2.44 inches)
	Total Height	62±1mm (2.44 inches)
Approx Weight		0.33 Kg (0.728 lbs)
Terminal		/
Container Material		ABS
Rated Capacity(25°C)	0.80 Ah	(20hr,0.040A, 1.75V/cell)
	0.76 Ah	(10hr,0.076A, 1.75V/cell)
	0.67 Ah	(5hr,0.134A, 1.75V/cell)
	0.588 Ah	(3hr,0.196A, 1.75V/cell)
	0.486 Ah	(1hr,0.486A, 1.60V/cell)
Max. Discharge Current		12A (5s)
Internal Resistance(25°C)		Approx 180mΩ
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 0.24 A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	Initial Charging Current less than 0.24 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



LECXO®

LX-Series
MADE IN CHINA

LX0.8-12(12V0.8AH)

RECHARGEABLE SEALED LEAD-ACID BATTERY



UPS
SYSTEM



GENERAL
PURPOSE



EMERGENCY
LIGHTING



MEDICAL



FIRE &
SECURITY

type E

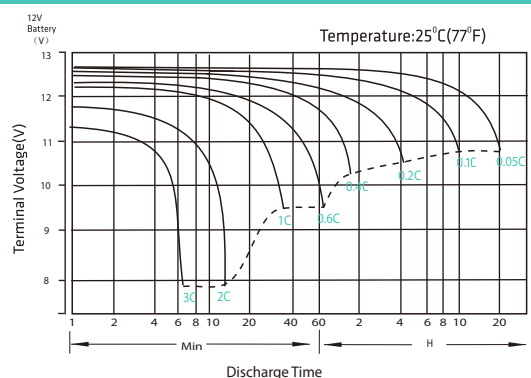


Optional

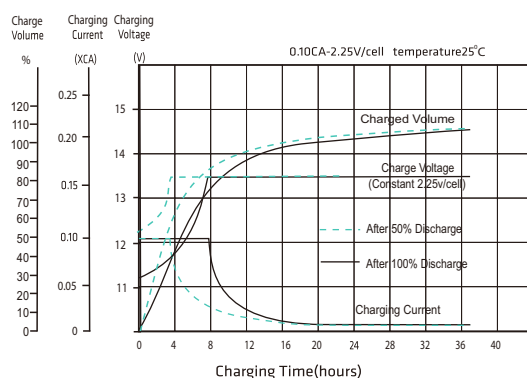
type F



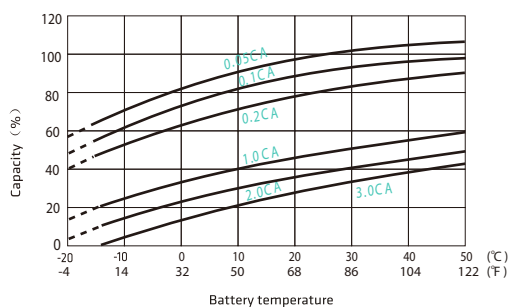
DISCHARGE CHARACTERISTICS



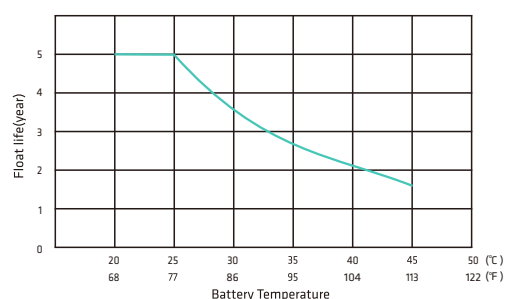
FLOAT CHARGING CHARACTERISTICS



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	1.54	1.07	0.883	0.766	0.614	0.473	0.386	0.303	0.236	0.180	0.148	0.125	0.109	0.086	0.072	0.040
1.80V/cell	1.89	1.28	1.02	0.866	0.680	0.515	0.416	0.331	0.251	0.189	0.155	0.131	0.113	0.090	0.074	0.040
1.75V/cell	2.24	1.44	1.13	0.943	0.726	0.547	0.438	0.350	0.262	0.196	0.160	0.134	0.116	0.092	0.076	0.040
1.70V/cell	2.54	1.59	1.22	1.01	0.763	0.569	0.456	0.368	0.272	0.202	0.164	0.138	0.119	0.093	0.077	0.041
1.67V/cell	2.80	1.71	1.29	1.06	0.795	0.591	0.475	0.383	0.280	0.207	0.168	0.141	0.121	0.095	0.078	0.042
1.60V/cell	2.94	1.79	1.35	1.10	0.818	0.604	0.486	0.395	0.289	0.212	0.172	0.144	0.124	0.097	0.080	0.042

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	2.90	2.04	1.70	1.48	1.20	0.927	0.761	0.594	0.467	0.357	0.295	0.251	0.218	0.174	0.145	0.080
1.80V/cell	3.52	2.41	1.95	1.67	1.32	1.00	0.815	0.644	0.494	0.374	0.308	0.260	0.226	0.179	0.149	0.080
1.75V/cell	4.12	2.70	2.13	1.80	1.40	1.06	0.853	0.679	0.512	0.384	0.316	0.266	0.230	0.183	0.151	0.081
1.70V/cell	4.62	2.94	2.29	1.92	1.46	1.09	0.884	0.712	0.530	0.395	0.322	0.271	0.235	0.184	0.153	0.082
1.67V/cell	5.03	3.13	2.39	1.99	1.51	1.13	0.915	0.735	0.543	0.403	0.327	0.275	0.238	0.187	0.154	0.082
1.60V/cell	5.19	3.21	2.46	2.03	1.53	1.14	0.928	0.743	0.556	0.410	0.333	0.279	0.241	0.189	0.156	0.082