

LXC200-12(12V200AH)

Maintenance-free Carbon Battery



UPS
SYSTEM



GENERAL
PURPOSE



EMERGENCY
LIGHTING



MEDICAL



FIRE &
SECURITY

APPLICATIONS

- Mobile container storage system
- Peak load shifting energy storage system
- Load tracking energy storage system
- Oil and electricity hybrid energy storage system
- Grid frequency adjustment energy storage system
- New energy generation (solar, wind, PV/wind hybrid) access to energy storage systems

GENERAL FEATURES

- Design life ≥ 12 years
- Adopt super carbon technology + deep cycle technology
- Excellent charging acceptance and super fast charge/large discharge performance
- Modular design and installation for less space, easy installation & maintenance
- Innovative robust design to ensure superb safety and reliability
- Horizontal installation, solve the problem of electrolyte stratification

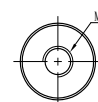
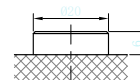
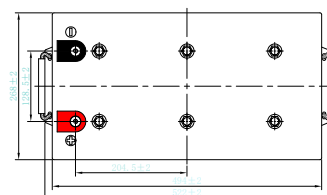
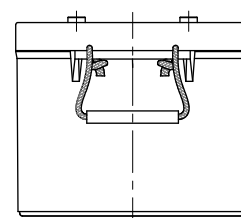
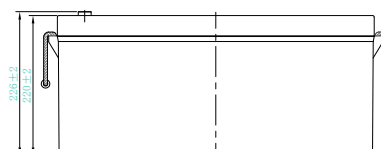
STANDARDS

- Compliance with IEC 61427, BS EN 61427 standards
- Manufactured in IATF16949, ISO 45001, ISO 9001 and ISO14001 certified production facilities

SPECIFICATIONS

Rated Voltage		12V
Nominal Capacity	200Ah	(C ₁₀ , 1.80V/cell)
Dimension	Length	522±2mm (20.6 inches)
	Width	268±2mm (10.6 inches)
	Container Height	220±2mm (8.66 inches)
	Total Height	226±2mm (8.90 inches)
Approx Weight		75.6 Kg (166.7 lbs)
Terminal		M8
Container Material		ABS
Rated Capacity(25°C)	154.6 Ah	
	200.0 Ah	(10hr, 20.0A, 1.80V/cell)
	179.0 Ah	(5hr, 35.8A, 1.75V/cell)
	155.7Ah	(3hr, 51.9A, 1.75V/cell)
	89.6Ah	
Max. Discharge Current		2007A (5s)
Internal Resistance(25°C)		Approx 4.0mΩ
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 40.0A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	Initial Charging Current less than 40.0A. 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		LXC 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



T11

LECXO®

LXC-Series
MADE IN CHINA

LXC200-12(12V200AH)

Maintenance-free Valve Regulated Lead Acid Hybrid Gel Battery



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SYSTEM



GENERAL
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EMERGENCY
LIGHTING

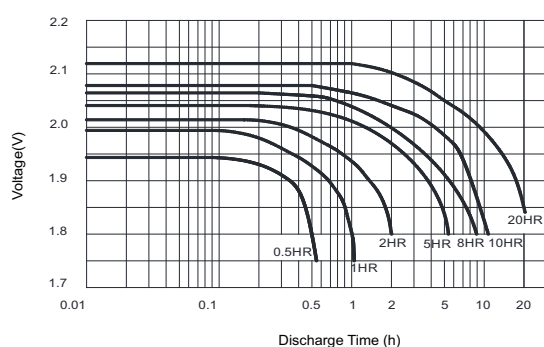


MEDICAL

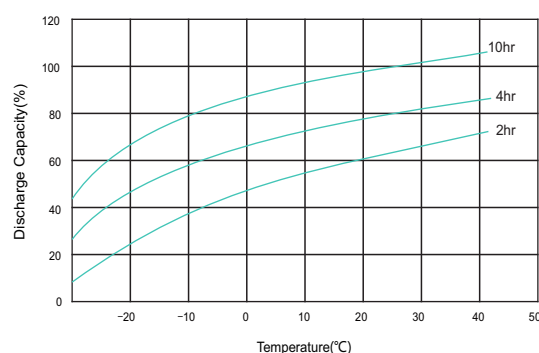


FIRE &
SECURITY

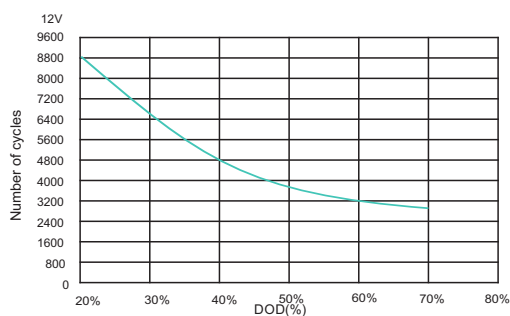
Discharge Characteristics



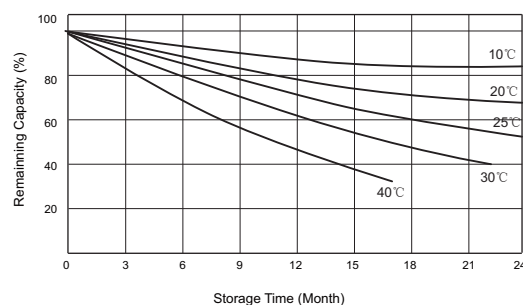
Temperature effects in relation to battery capacity



Cycle Life in Relation to DOD



Self Discharge Characteristics



Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V./Time	0.5h	1h	2h	3h	4h	5h	6h	7h	8h	10h	20h
1.90V/cell	118.2	86.0	53.6	41.6	35.2	29.7	25.9	23.0	21.3	17.6	9.4
1.85V/cell	140.8	97.8	62.2	49.5	41.6	34.7	30.1	26.3	23.8	19.8	10.5
1.80V/cell	157.6	107.5	66.2	50.7	42.4	35.4	30.5	26.8	24.4	20.0	10.7
1.75V/cell	167.3	111.1	67.0	51.9	43.2	35.8	30.7	27.0	24.6	20.4	10.8

Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V./Time	0.5h	1h	2h	3h	4h	5h	6h	7h	8h	10h	20h
1.90V/cell	221.2	160.5	102.4	77.4	65.4	54.8	48.1	44.2	42.5	35.3	18.8
1.85V/cell	268.1	191.1	120.8	92.9	77.6	64.4	55.8	50.8	48.5	40.0	21.0
1.80V/cell	294.9	200.6	126.4	94.3	78.8	65.2	56.6	51.4	48.9	40.6	21.4
1.75V/cell	313.5	207.7	127.0	95.7	79.8	65.9	57.0	51.8	49.3	40.8	21.6