

LXHG150-12(12V150AH)

Maintenance-free Valve Regulated Lead Acid Hybrid Gel Battery



UPS
SYSTEM



GENERAL
PURPOSE



EMERGENCY
LIGHTING



MEDICAL



FIRE &
SECURITY

APPLICATIONS

- Communication power supply
- Engine starting
- Pump systems
- Alarm installations
- Marine and power stations
- Solar system

GENERAL FEATURES

- Adopted advantage AGM-GEL technology
- Operation temperature $-20 \sim 55^{\circ}\text{C}$
- $\leq 3\%$ Self discharge @ 25°C

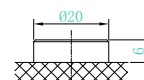
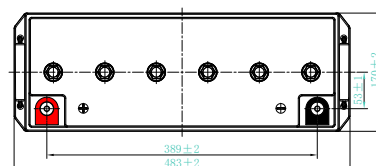
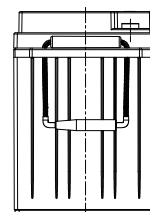
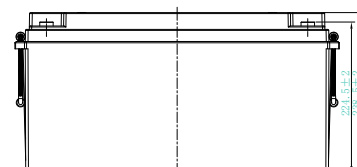
STANDARDS

- IEC 60896 Certified
- Classified as "Long Life" according to Eurobat
- UL Certified, CE Certified
- Manufactured in Leoch® IATF16949, ISO 9001, ISO 14001 and ISO 45001 certified production facilities

SPECIFICATIONS

Rated Voltage		12V
Nominal Capacity	150Ah	(C_{10} , 1.80V/cell)
Dimension	Length	483±2mm (19.0 inches)
	Width	170±2mm (6.69 inches)
	Container Height	238.5±2mm (9.39 inches)
	Total Height	238.5±2mm (9.39 inches)
Approx Weight		43.6 Kg (96.1 lbs)
Terminal		M8
Container Material		ABS
Rated Capacity(25°C)	154.6 Ah	(20hr, 7.73A, 1.80V/cell)
	150.0 Ah	(10hr, 15.0A, 1.80V/cell)
	127.5 Ah	(5hr, 25.5A, 1.75V/cell)
	110.7Ah	(3hr, 36.9A, 1.75V/cell)
	89.6Ah	(1hr, 89.6A, 1.60V/cell)
Max. Discharge Current		1500A (5s)
Internal Resistance(25°C)		Approx 3.5mΩ
Operating Temp. Range	Discharge	$-15 \sim 50^{\circ}\text{C}$ ($5 \sim 122^{\circ}\text{F}$)
	Charge	$-20 \sim 40^{\circ}\text{C}$ ($-4 \sim 104^{\circ}\text{F}$)
	Storage	$-15 \sim 40^{\circ}\text{C}$ ($5 \sim 104^{\circ}\text{F}$)
National Operating Temp Range		$25 \pm 3^{\circ}\text{C}$ ($77 \pm 5^{\circ}\text{F}$)
Cycle Use		Initial Charging Current less than 37.5A. Voltage 14.4V~15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
Standby Use		Initial Charging Current less than 37.5A. 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		LXHG 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®

LXHG-Series
MADE IN VIETNAM

LXHG150-12(12V150AH)

Maintenance-free Valve Regulated Lead Acid Hybrid Gel Battery



UPS
SYSTEM



GENERAL
PURPOSE



EMERGENCY
LIGHTING

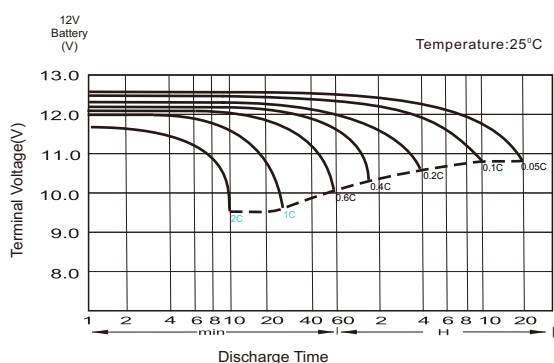


MEDICAL

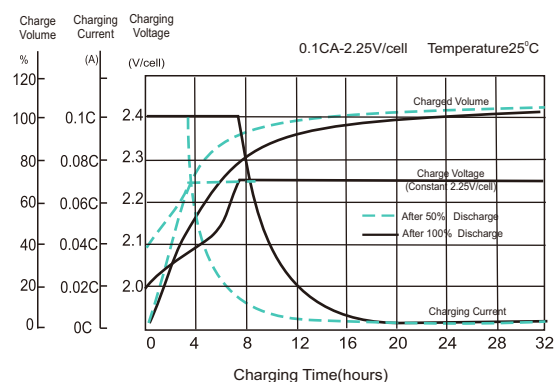


FIRE &
SECURITY

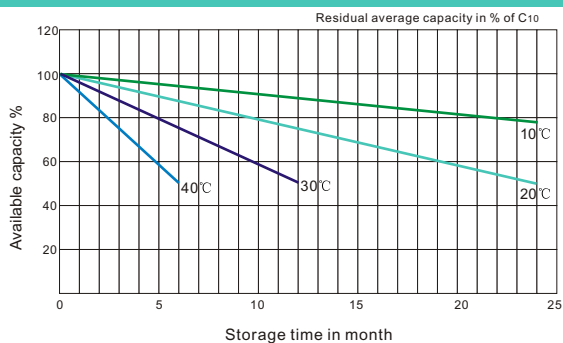
DISCHARGE CHARACTERISTICS



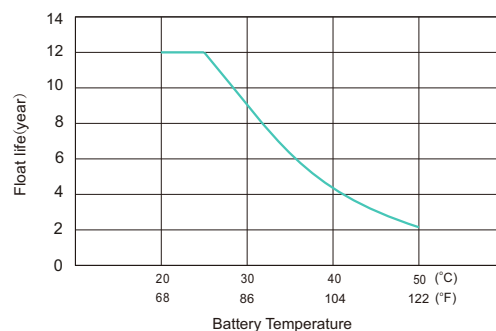
FLOAT CHARGING CHARACTERISTICS



GENERAL RELATION OF CAPACITY VS. STORAGE TIME



FLOAT SERVICE LIFE



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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	241.8	190.1	161.7	135.2	106.9	81.2	67.2	42.7	33.2	27.3	23.2	20.2	16.4	13.9	7.50
1.80V/cell	319.9	239.4	192.5	157.5	123.0	92.1	74.7	46.4	35.6	29.0	24.9	21.7	17.5	15.0	7.73
1.75V/cell	368.1	268.5	214.6	173.0	131.1	97.4	79.0	48.6	36.9	30.0	25.5	22.3	17.8	15.2	7.80
1.70V/cell	410.1	296.1	231.8	183.9	138.3	102.3	82.5	51.0	38.2	30.9	26.2	22.7	18.1	15.2	7.95
1.65V/cell	447.9	316.4	244.1	193.5	144.8	105.4	85.4	52.4	39.6	31.8	26.8	23.2	18.3	15.4	8.03
1.60V/cell	498.0	346.3	263.2	207.8	153.9	111.4	89.6	54.3	41.0	32.6	27.3	23.7	18.6	15.6	8.10

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	445.6	353.9	304.0	256.9	204.8	156.7	130.1	83.2	64.8	53.5	45.6	39.8	32.6	27.7	14.9
1.80V/cell	583.6	440.7	357.4	295.1	232.8	176.5	144.0	89.9	69.3	56.7	48.8	42.6	34.6	29.7	15.3
1.75V/cell	656.7	486.0	393.2	320.6	246.0	185.1	151.6	93.9	71.6	58.4	49.8	43.6	35.1	30.0	15.5
1.70V/cell	710.2	522.9	418.2	337.8	257.6	193.3	157.6	98.2	73.9	60.0	51.0	44.5	35.6	30.1	15.8
1.65V/cell	763.1	552.7	436.1	352.1	267.3	197.5	162.1	100.3	76.3	61.6	52.0	45.3	36.0	30.4	15.9
1.60V/cell	828.9	591.1	462.4	373.9	281.7	207.5	169.0	103.5	78.6	62.8	52.9	46.1	36.4	30.8	16.0