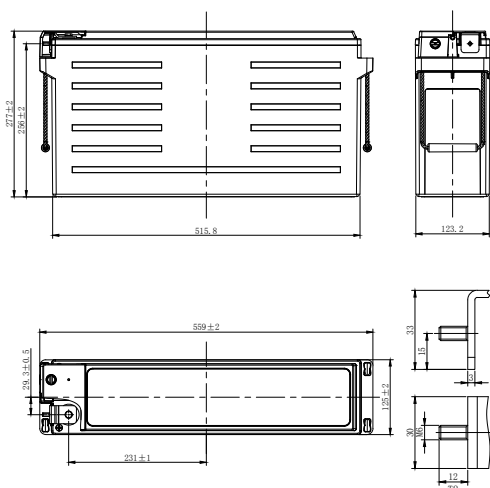
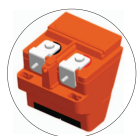


PLH-PURE LEAD LONG STANDBY LIFE

PLH150FT(A) (12V150Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	150Ah
	C ₈ , 1.75V/cell	150Ah
Dimension	Length	559mm (22.0inches)
	Width	125mm (4.92inches)
	Container Height	277mm (10.9inches)
	Total Height	277mm (10.9inches)
Approx Weight	48.0kg (105.8lbs)	
Terminal	T8(M6)	
Container Material	PC-ABS (UL94 V-0)	
Short-circuit current	3000A	
Internal Resistance (25°C)	Approx 3.7 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-40~65°C (-40~149°F)
	Charge	-20~54°C (-4~129°F)
	Storage	-20~50°C (-4~122°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max.Charging Current (25°C)	0.3C	
Charge voltage (25°C)	Float Charge	Equalization Charge
	2.27±0.02V/cell	2.35-2.40V/cell
Temp. Coefficient	-3mV/cell/°C	-4mV/cell/°C
	40°C (104°F)	103%
Effect of temp. to Capacity	25°C (77°F)	100%
	0°C (32°F)	86%
	Self Discharge	PLH series batteries can be stored up to 24 months at 25°C(77°F). For higher temperatures the time interval will be shorter. Battery needs to be given a freshening charge when the OCV approach 2.10V/cell or when the maximum storage time is reached, whichever occurs first.

DISCHARGE TABLE

Constant Current Discharge (Amperes) at 25°C (77°F)													
F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	268.7	230.4	198.4	152.1	113.6	90.7	51.0	37.0	29.6	24.7	17.9	14.5	7.65
1.80V/cell	300.2	250.6	212.4	160.8	119.1	94.8	53.3	38.6	30.9	25.8	18.5	15.0	7.80
1.75V/cell	323.4	266.1	224.4	166.8	123.3	97.9	54.6	39.7	31.7	26.5	18.8	15.2	7.89
1.70V/cell	347.5	280.5	233.1	172.3	126.4	99.8	55.7	40.4	32.1	26.9	18.9	15.4	7.96
1.67V/cell	369.4	293.8	240.1	175.5	128.1	101.2	56.4	41.0	32.5	27.1	19.0	15.5	8.02
1.60V/cell	393.1	305.3	247.9	180.2	130.5	103.0	57.2	41.5	32.9	27.4	19.2	15.6	8.08
Constant Power Discharge (Watts/cell) at 25°C (77°F)													
F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	509.7	440.8	381.8	296.1	224.4	179.7	102.0	74.1	59.6	49.9	36.2	29.5	15.6
1.80V/cell	560.4	473.0	404.7	311.0	233.9	187.0	105.9	77.0	61.9	51.8	37.2	30.4	15.9
1.75V/cell	597.7	497.6	423.9	320.0	240.6	191.8	108.0	78.8	63.3	53.0	37.6	30.8	16.0
1.70V/cell	632.4	518.2	436.0	327.8	245.2	194.5	109.6	79.9	64.0	53.6	37.7	30.9	16.1
1.67V/cell	665.6	537.3	445.7	332.5	247.3	196.5	110.6	80.8	64.5	54.0	37.9	31.1	16.2
1.60V/cell	696.6	550.1	455.0	338.1	250.0	198.2	111.3	81.3	64.9	54.2	38.0	31.2	16.2

PLH-PURE LEAD LONG STANDBY LIFE

PLH150FT(A) (12V150Ah)

APPLICATIONS

- Telecommunication
- Railway signal
- Alarm and security system
- Power station systems
- Emergency power supply
- Electric Power System (EPS)
- Communication power supply

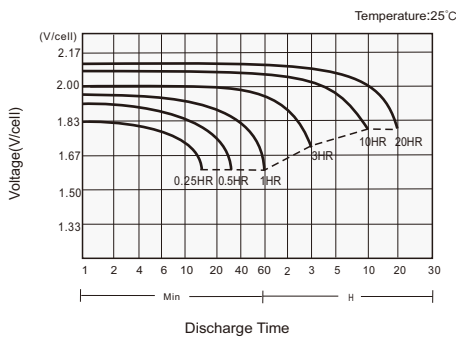
GENERAL FEATURES

- 20 years design life (25°C)
- Utilizes pure lead technology. Thin positive grids and unique manufacturing process to maximize corrosion resistance and service life while increasing energy density
- High purity and superior quality AGM separators to reduce self discharge rates and float currents
- Case and cover are UL94 V-0 and highly resistant to shock, heat sealed and 100% tested to prevent leaks
- Front access design for easy installation and maintenance

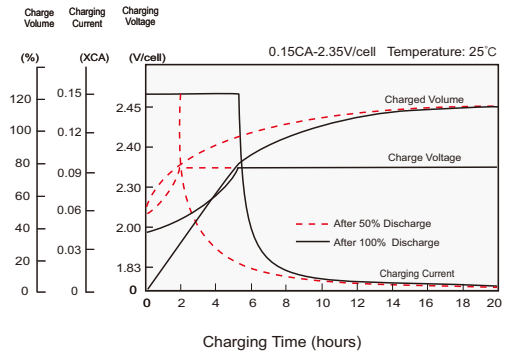
STANDARDS

- Compliance with IEC 60896 standards
- Classified as "Very Long Life" according to Eurobat
- CE,UL Approved
- Manufactured in Leoch@IATF16949, ISO 45001,ISO 9001 and ISO 14001 certified production facilities

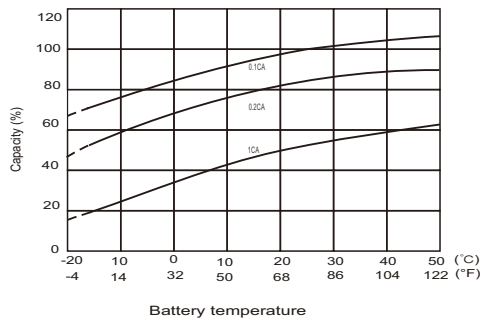
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

