

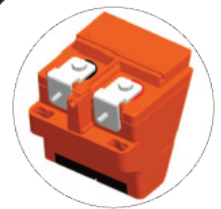


PLH Series Long Standby Life Battery

PLH150FT (12V150AH)

Specifications

Rated Voltage	12V	
Nominal Capacity	C ₁₀ , 1.80V/cell	150AH
	C ₈ , 1.75V/cell	150AH
Dimension	Length	559±3mm (22.01 in.)
	Width	125±2mm (4.92 in.)
	Container Height	277±2mm (10.9 in.)
	Total Height	277±2mm (10.9 in.)
Approx. Weight	48.0 Kg (105.8 lbs.)	
Terminal	M6	
Container Material	PC-ABS flame retardant jar and cover to UL 94 V-0	
Rated Capacity (25°C)	159.0 Ah	(20hr, 7.95A, 1.80V/cell)
	150.0 Ah	(10hr, 15.0A, 1.80V/cell)
	132.5 Ah	(5hr, 26.5A, 1.75V/cell)
	119.1 Ah	(3hr, 39.7A, 1.75V/cell)
	101.2 Ah	(1hr, 101.2A, 1.67V/cell)
Max. Discharge Current	1800A	
Internal Resistance (25°C)	Approx. 3.7 mΩ (Fully charged)	
Operating Temp. Range	Discharge:	-40 ~ 65°C (-40 ~ 149°F)
	Charge:	0° ~ 54°C (32 ~ 129°F)
	Storage:	-20 ~ 40°C (-4 ~ 104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max. Charging Current (25°C)	45.0A	
Charge Voltage (25°C)	Float	13.62V
	Temp. Coefficient Equalization	-3mV/cell/°C 14.1~14.4V
Effect of Temp. to Capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%



Applications

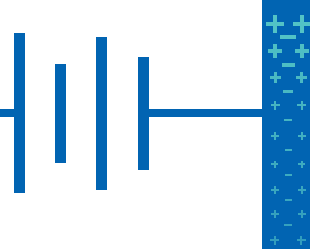
- Telecommunication
- Data Centers
- Utility
- UPS
- Oil and gas
- Railways
- Alarm and security systems
- Power station systems
- Emergency power supply

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 approaches 2.10V/cell or when the maximum storage time is reached, whichever occurs first.





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

F.V/Time	10 min	15 min	20 min	30 min	45 min	1 hr	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	20 hr
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	7.69
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	7.95
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	8.07
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	8.14
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	8.20
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	8.25

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

F.V/Time	10 min	15 min	20 min	30 min	45 min	1 hr	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	20 hr
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	15.7
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	16.2
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	16.4
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	16.5
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	16.5
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	16.6

General Features

- 20 years design life (25°C)
- Rope handle for easy lifting (not pictured)
- Premium ABS+PC jar & covers, Flame Retardant to UL94 V-0
- High-rate performance, high energy density
- High quality AGM separators minimize electrical resistance to allow high current discharging properties

Standards

- Compliance with IEC 60896 standards
- Classified as “Very Long Life” according to Eurobat
- CE, UL Certified
- Manufactured in Leoch@IATF 16949, OHSAS 18001, ISO 9001 and ISO 14001 certified production facilities

Terminal Model: T11

Unit: mm [inches]

