

VALVE REGULATED LEAD-ACID

B A T T E R I E S



Description

The Front Terminal is a valve-regulated (sealed) Lead-Acid battery. The Absorbed Glass Mat (AGM) technology retains the acid between the plates ensuring long life during float operation. The patented PowerLock™ feature is an easy and fool-proof method of installing the battery.

Features

PowerLock™

- Provides a fast, simple and safe connection to the backplane

125Ah

- 10% more energy than front-terminal batteries with similar footprints

150Ah

- Among the highest energy densities in the industry

Handles

- Ergonomically designed and are integrated into the lid to save space and facilitate installation

Standard terminals

- For connections in the traditional front style

Standard footprint

- The 48V configuration fits a standard 23" relay rack

Flame retardant

- PC/ABS Jar and Cover meet UL 94 V0, L.O.I. 28%

2x3 cell layout

- Improved Thermal Management

Interunit Connector

- Insulated for a safer installation

AGM

- Sealed Absorbed Glass Mat battery for lower maintenance costs and less maintenance time

Pb/Ca/Sn grid alloy

- Long-life grid alloy

PowerLock™ Front Terminal

PL-125 12V - 125Ah

PL-150 12V - 150Ah

APPLICATIONS:

TELECOMMUNICATIONS

OUTSIDE PLANT

CEV

DISTRIBUTED POWER

WIRELESS

Specifications

CONTAINER/COVER

PC/ABS

SAFETY VENT:

Self-resealing with flame arrestor

NOMINAL VOLTAGE:

12V

FLOAT VOLTAGE SETTING:

2.23-2.27 Volts per cell

13.38-13.62 Volts per unit

SPECIFIC GRAVITY:

1.300

MAXIMUM CURRENT:

300 amps

INTERUNIT CONNECTORS:

Pb-Plated copper, Insulated

TERMINALS:

PowerLock™, Traditional 1/4 - 20

OPERATING TEMPERATURE:

Charge: 5 to 122°F (-15 to 50°C)

Discharge: -4 to 140°F (-20 to 60°C)



RECOGNIZED BY UL, File No. MH 16464

AVERAGE CELL PERFORMANCE DATA* (Discharge Rates in Amperes**)

PL-125	1hr	2hr	3hr	4hr	5hr	6hr	7hr	8hr	9hr	10hr	20hr	Nom Ah
1.75 vpc	85.0	50.0	36.0	28.3	23.2	19.8	17.4	15.6	14.1	12.8	6.8	125
1.81 vpc	80.3	47.8	34.6	27.2	22.3	19.1	16.8	15.1	13.6	12.4	6.1	125
1.84 vpc	75.2	45.1	32.8	26.0	21.5	18.5	16.3	14.6	13.2	12.0	5.9	125
1.86 vpc	70.6	42.8	31.3	24.9	20.6	17.7	15.7	14.0	12.6	11.5	5.7	125
PL-150	1hr	2hr	3hr	4hr	5hr	6hr	7hr	8hr	9hr	10hr	20hr	Nom Ah
1.75 vpc	112.0	63.5	45.0	35.0	28.6	24.3	21.1	18.8	16.9	15.4	8.5	150
1.81 vpc	105.8	60.7	43.2	33.7	27.5	23.5	20.4	18.1	16.3	14.9	8.5	150
1.84 vpc	99.1	57.2	41.0	32.2	26.5	22.7	19.7	17.5	15.8	14.4	8.3	150
1.86 vpc	93.0	54.3	39.2	30.8	25.4	21.8	19.0	16.8	15.2	13.8	7.9	150

*Ampere values listed represent 100% of the cells capacity. Initial capacity shall be a minimum of 90% of these values per IEEE 450.

** At 77°F (25°C) includes interunit connector drop.

All data subject to change without notice.

PRODUCT TYPE	OVERALL DIMENSIONS						WEIGHTS			
	LENGTH		WIDTH		HEIGHT		UNPACKED		DOMESTIC PACKED	
	in.	mm	in.	mm	in.	mm	lbs.	kg	lbs.	kg
PL-125	21.35	542	5.0	127	9.4	238	105	48	110	50
PL-150	21.35	542	5.0	127	12.0	305	138	63	150	68

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Optional accessory kits

Rack mounting system – standard 23" equipment rack available

Shelf assembly kit – Shelf, retaining gate and all components necessary to attach a tray of batteries to the rack

Connector kit – includes all connectors and hardware required to electrically connect four PL batteries in series

Bussbar kit – ground bar and hardware to allow parallel connection of up to seven strings of batteries

Cable kit – bulk cable, lugs, and hardware required to connect a string of batteries to the bussbar



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Represented by:

When ordering new batteries, also remember to properly recycle your old lead batteries. Federal and state regulations require lead-acid batteries be recycled. EnerSys' nationwide service organization can arrange pickup, transportation to and recycling at any one of our company affiliated smelters. Call 1-800-972-7372 for more information.

