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LIBERTY® 1000 SERIES FA 12-125

VALVE REGULATED LEAD-ACID BATTERY FOR STANDBY APPLICATIONS

CAPACITY OF 125 AMPERE-HOURS



C&D Technologies' Standby Power Division front-access valve regulated lead-acid (VRLA) batteries are engineered to save end users both time and money by providing easy access to the battery terminals for installation and maintenance. Engineered with C&D's proven processes, these front-access batteries deliver performance reliability and consistency over the life of the product.

FEATURES AND BENEFITS

- Corrosion resistant-plated front-access terminals with stainless-steel studs for lower resistance and allows for reduced maintenance
- Flame retardant thermoplastic case with UL94 V-0 rating with a Limited Oxygen Index (LOI) of >32
- Thick positive grids cast from low calcium alloy for reduced grid growth and long life
- 48VDC string designed to fit on 23" relay rack battery tray for system flexibility
- Flame arresting one-way pressure vents for improved life and safety

- Automated thermally welded jar-to-cover seal with 100% testing for improved reliability
- Shipped at 95% capacity with no need to equalize at startup
- Shipped with tin plated copper connectors and stainless steel hardware for reduced re-torque reguirements
- Acid resistant epoxy coated steel "jacket" for higher temperature operations with lifting straps
- Designed to fit in various outdoor cabinets

SPECIFICATIONS

Electrolyte at 77F (25C)	1.300 specific gravity nominal sulfuric acid					
System float voltages	2.23-2.27 volts per cell ± 0.02, recommended float 2.25					
Life expectancy	>10 years full float service at 77F (25C)					
Flame retardant container and cover	Flame-retardant, impact-resistant thermoplastic, UL94 V-0					
Safety vent system	Low-pressure release valve with flash arrester					
UL approved	Components tested to UL standards for batteries					

Note: AC ripple current from the charger shall not exceed 5 percent of the 8-hour (ampere-hour) rating of the battery.



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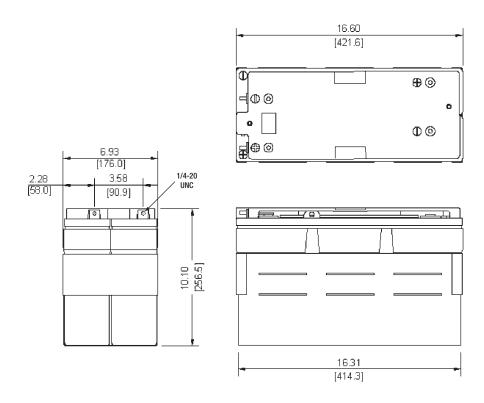
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RATINGS IN AMPERES AT 77F (25C)

FV/Time	1 Hr	3 Hr	5 Hr	8 Hr	10 Hr	20 Hr
1.90	69.1	30.1	19.7	13.2	10.8	5.8
1.88	72.8	31.6	20.7	13.8	11.3	6.0
1.84	78.8	34.0	22.2	14.7	12.1	6.4
1.80	83.2	35.8	23.2	15.4	12.6	6.5
1.75	86.3	37.1	24.0	15.8	12.9	6.8

Note: Batteries are tested to provide a minimum of 95% of the 8-hour rated capacity to 1.75 VPC @ 77F (25C) at the time of shipment.



SPECIFICATIONS

Model	Nominal Voltage	Number of cells	Nominal Capacity	Internal Resistance	Short Circuit Current	Positive Plate Thickness		Torque		Re-Torque		Cover & Container LOI	Weight Ibs (kg)
			8hr to 1.75 @ 77F (25C)	Ohms	Ampere	in	mm	in-lb	Nm	in-lb	Nm		
FA 12-125	12 Volts	6	125	0.00059	2600	0.160	4.06	110.0	12.4	100.0	11.3	>32	120 (55)



STANDBY POWER DIVISION

1400 Union Meeting Road P.O. Box 3053 • Blue Bell, PA 19422-0858 (215) 619-2700 • Fax (215) 619-7899 • (800) 543-8630 customersvc@cdtechno.com • www.cdtechno.com Any data, descriptions or specifications presented herein are subject to revision by C&D Technologies, Inc. without notice. While such information is believed to be accurate as indicated herein, C&D Technologies, Inc. makes no warranty and hereby disclaims all warranties, express or implied, with regard to the accuracy or completeness of such information. Further, because the product(s) featured herein may be used under conditions beyond its control, C&D Technologies, Inc. hereby disclaims all warranties, either express or implied, concerning the fitness or suitability of such product(s) for any particular use or in any specific application or arising from any course of dealing or usage of trade. The user is solely responsible for determining the suitability of the product(s) featured herein for user's intended purpose and in user's specific application.