

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 requirements
- Acid resistant epoxy coated steel "jacket" for higher temperature operations with lifting straps
- Designed to fit in various outdoor cabinets

SPECIFICATIONS

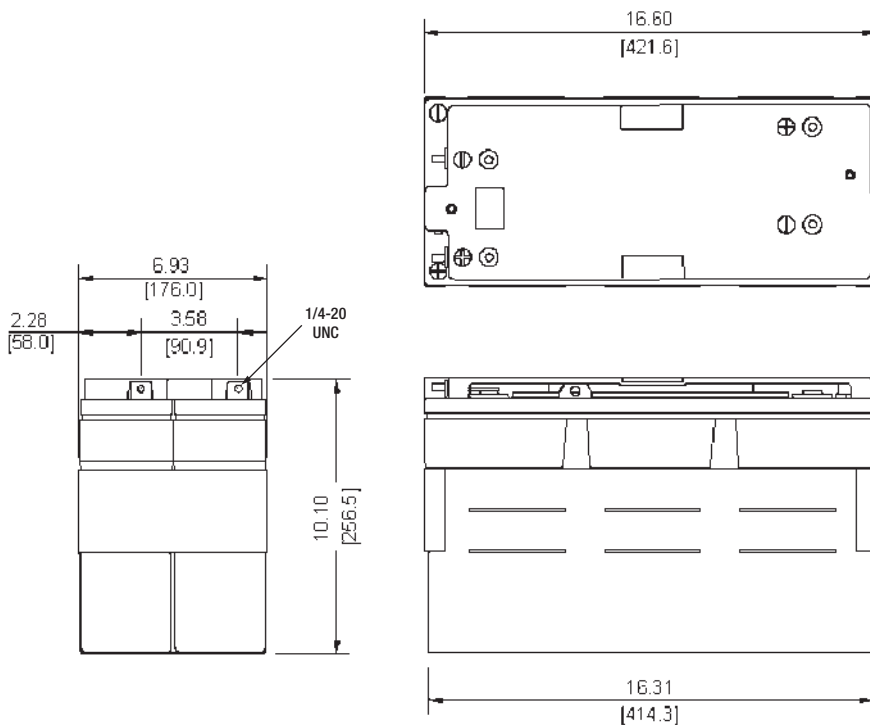
Electrolyte at 77F (25C)	1.300 specific gravity nominal sulfuric acid
System float voltages	2.23-2.27 volts per cell ± 0.02, recommended float 2.25
Life expectancy	>10 years full float service at 77F (25C)
Flame retardant container and cover	Flame-retardant, impact-resistant thermoplastic, UL94 V-0
Safety 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.

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 lbs (kg)
						in	mm	in-lb	Nm	in-lb	Nm		
FA 12-125	12 Volts	6	8hr to 1.75 @ 77F (25C) 125	0.00059 Ohms	2600 Ampere	0.160	4.06	110.0	12.4	100.0	11.3	>32	120 (55)

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