

The PowerSafe™ 12VE115F-FR valve regulated lead acid battery has been designed to offer competitive solutions for the global telecommunications and information technology markets. PowerSafe VE batteries incorporate selected design features for the cost-conscious user, while retaining superior performance by weight and volume, increased flexibility of installation and reduced maintenance.

The PowerSafe 12VE115F-FR battery is available in the popular front terminal configuration, typically designed for cabinet installations. The front terminal design makes installation much easier. Monobloc connections are positioned at the front of the cabinet and with no overhead access required, the space between shelves can be reduced. The front terminal design is also much more convenient for routine inspection and maintenance, saving valuable time through easier access.

Features & Benefits

- 12 Volts, 101Ah
- 10 year design life at 77°F (25°C)
- Front terminal connections for fast and easy installation and maintenance
- High integrity and compact design fits most cabinets worldwide
- UL94 V-0 flame retardant container and cover
- Built in handles for easy handling and installation
- Suitable for a wide range of applications



EnerSys®

Power/Full Solutions

RESERVE
POWER



Construction

- Positive and negative plates in lead-tin-calcium
- Separators in low resistance microporous glass fiber. The electrolyte is absorbed within this material, preventing acid spills in case of accidental damage
- Container and cover in flame retardant FR/ABS material, highly resistant to shock and vibration
- Terminal with brass insert for maximum conductivity and with high compression grommet for long life
- Self-regulating pressure relief valve prevents ingress of atmospheric oxygen

Installation & Operation

- The PowerSafe™ 12VE115F-FR battery is designed for installation in cabinets or on stands. A separate battery room is not necessary
- Recommended float charge voltage 2.280Vpc at 68°F (20°C) or 2.265Vpc at 77°F (25°C)
- Reduced maintenance: no water addition required

Standards

- Compliant with international standard IEC 60896-2
- Able to be shipped as non-hazardous cargo in accordance with the requirements of IMDG (International Maritime Dangerous Goods) code and ICAO (International Civil Aviation Organization)
- Manufactured in EnerSys® ISO 9001:2000 and ISO 14001:1996 certified production facilities

General Specifications

Type	Number of Cells	Nominal Voltage (V)	Nominal Capacity (Ah)		Nominal Dimensions				Overall Height		Typical Weight		Terminal Type
			10 hr rate to 1.80Vpc @ 20°C	8 hr rate to 1.75Vpc @ 77°F	Length mm in	Width mm in	mm in	mm in	kg lbs				
12VE115F-FR ⁽¹⁾	6	12	100	101	510 20.1	110 4.33	235 9.25	36.5 80.5	M6 M				

NOTES:

⁽¹⁾ Optional remote venting available

Constant Current

Discharge rates in Amperes at 77°F (25°C)

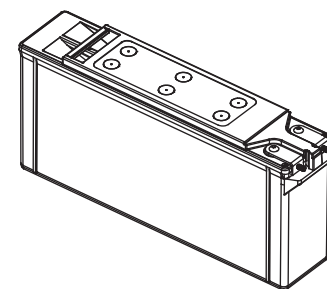
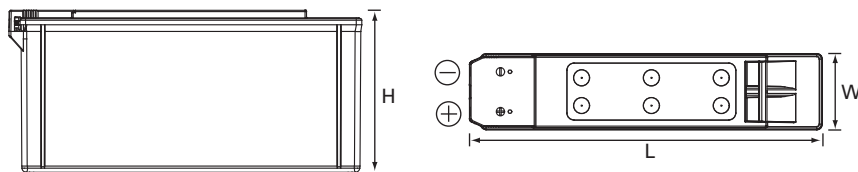
Vpc	Standby Time (Minutes)			Standby Time (Hours)										
	15	30	45	1	2	3	4	5	6	7	8	10	12	24
1.75	161.5	108.4	82.2	69.7	38.9	28.3	22.2	18.4	15.8	13.8	12.7	10.3	8.7	4.2
1.80	152.0	103.7	79.2	67.7	37.7	27.3	21.8	18.2	15.5	13.6	12.2	10.1	8.5	4.2
1.85	138.3	96.4	74.3	63.0	35.5	25.8	20.6	17.3	14.9	13.1	11.7	9.6	8.1	4.2

Constant Power

Discharge rates in Watts per cell at 77°F (25°C)

Vpc	Standby Time (Minutes)			Standby Time (Hours)										
	15	30	45	1	2	3	4	5	6	7	8	10	12	24
1.75	296.2	202.6	155.8	133.5	75.0	54.7	43.1	35.4	30.6	26.9	24.7	20.2	17.0	8.2
1.80	281.4	195.0	151.0	130.0	72.8	53.1	42.4	35.1	30.1	26.5	23.8	19.8	16.6	8.3
1.85	258.8	182.1	142.3	121.8	69.0	50.3	40.1	33.5	29.0	25.6	22.9	18.7	15.9	8.3

Terminal Layout



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