



data safe® **XE**

Battery Range Summary

NEW
Range!



EnerSys' new DataSafe® XE range of front terminal batteries has been specifically developed to meet the challenging demands of the modern UPS market sector. UPS batteries that have historically focused on a 15 minute rate discharge have become increasingly ineffective in fulfilling the growing need for sub five minute autonomies. Furthermore, the pressure to lower energy costs by minimising air conditioning in equipment rooms results in a trend towards higher operating temperatures.

To meet these requirements, EnerSys has optimised its world-renowned, advanced Thin Plate Pure Lead (TPPL) technology to deliver three front terminal monoblocs with outstanding features and benefits. Unlike typical VRLA AGM technology UPS batteries, DataSafe 12XE1010F-FR, 12XE1109F-FR and 12XE1150F-FR monoblocs provide the perfect solution to the ever-evolving requirements of today's datacentre world.

Features & Benefits

- 1010, 1109 & 1150 Watts per cell sizes
- Specifically designed for 30 seconds to 5 minutes high-rate discharge applications
- Pure lead technology for longer life at elevated temperatures
- 12+ year design life at 20°C
- Up to 24 month shelf life for maximum flexibility in project deployment
- Outstanding power density in industry-standard footprints
- Fast recharge times to support multiple AC outages
- Low energy consumption compared to traditional VRLA AGM batteries
- Front termination design for ease of installation and maintenance

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EnerSys®

Power/Full Solutions

RESERVE
POWER

Construction

- High performance TPPL grids for optimised corrosion resistance at high operating temperatures
- Active material specifically engineered for maximum performance at sub 5 minute discharge rates
- Enhanced internal connections designed for high rate UPS loads
- Superior quality microporous glass mat separator with high absorption and stability
- Containers and lids in UL94 V-0 rated flame retardant ABS material, highly resistant to shock and vibration
- High grade dilute sulphuric acid electrolyte absorbed into separator material
- Proven high integrity leak resistant dual-seal terminal design
- Self-regulating pressure relief valves prevent ingress of atmospheric oxygen

- Flame arrestors built into each bloc for increased operational safety
- Robust rope handles for ease of handling

Installation & Operation

- Monoblocs are designed for installation in cabinets or on stands, close to the point of use. A separate battery room is not necessary
- It is recommended that DataSafe® XE blocs are installed on their base
- Recommended float charge voltage: 2.27Vpc at 25°C (2.29Vpc at 20°C)
- Low maintenance: no water addition required
- Wide operating temperature range: -40°C to +50°C
- Connection torque: 9 ± 0.9 Nm – 80 ± 8 lbf in
- Up to 24 month shelf life

Standards

- Designed to be compliant with the requirements of international standard IEC 60896-21/22
- Classified as “Very Long Life” (> 12 years) according to the 2015 Eurobat guide
- UL recognised component
- Classified as non-spillable and approved as non-hazardous cargo for ground, sea and air transportation in accordance with the requirements of IMDG (International Maritime code for Dangerous Goods) and ICAO (International Civil Aviation Organisation)
- The management systems governing the manufacture of DataSafe XE products are ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007 certified

General Specifications

| Battery Type | Nominal Voltage (V) | Watts/Cell (Wpc) | | Nominal Capacity (Ah) | | Nominal Dimensions (mm) | | | Typical Weight (kg) | Short Circuit Current (A) ⁽¹⁾ | Internal Resistance (mΩ) ⁽¹⁾ | Terminals |
|--------------|---------------------|--------------------|---------------------|--------------------------------|--------------------------------|-------------------------|-------|----------------|---------------------|--|---|-----------|
| | | 5min/1.67Vpc /25°C | 15min/1.67Vpc /25°C | C ₁₀ /1.80Vpc /20°C | C ₂₀ /1.75Vpc /25°C | Length | Width | Overall Height | | | | |
| 12XE1010F-FR | 12 | 1010 | 566 | 155 | 158 | 561 | 125 | 283 | 48.7 | 3498 | 3.56 | M6 male |
| 12XE1110F-FR | 12 | 1109 | 649 | 165 | 167 | 561 | 125 | 283 | 51.7 | 3916 | 3.20 | M6 male |
| 12XE1150F-FR | 12 | 1150 | 706 | 180 | 181 | 561 | 125 | 316 | 58.6 | 4081 | 3.07 | M6 male |

Note:
⁽¹⁾ Figures obtained via IEC method.

Outline Drawing

