

NEW grid | Xtreme VR cabinet

The new grid | Xtreme VR cabinet is designed to perfectly meet your space requirements while ensuring your UPS remains operational during power outages.

This innovative design maximizes the potential of our lead-acid grid | Xtreme VR batteries, reducing the overall footprint and optimizing the arrangement of your battery storage site.



THE ADVANTAGES



Footprint: 1,180 to 1,343 sqft.
Up to 250 kw in one cabinet at 480 volts.



Maintenance:
Front accessible



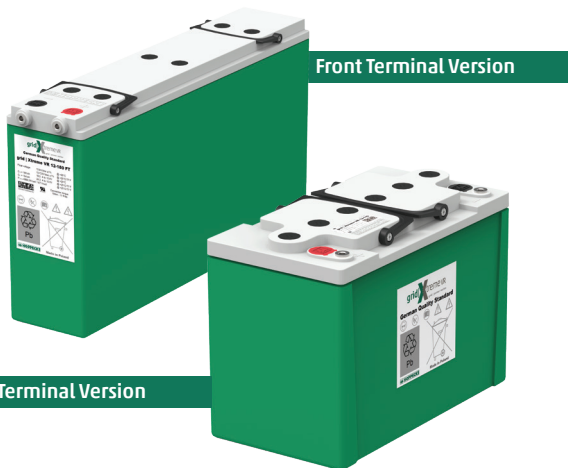
Service: Multiple DC disconnects available

CERTIFICATIONS

- UL 1778, 5th Edition
- CSA C22.2 No. 107.3-05 Second Edition
- Seismic IBC 2018 and CBC
(Ss 2.44G, S1=0.99G, Importance Factor 1.5, Site Class D)

THE ADVANTAGES grid | Xtreme VR

- Long service life expectancy of up to 15 years.
- Suitable for harsh environmental conditions and high operating temperatures.
- High flexibility due to modular expandability.
- Improved high current performance over service life.
- Low space requirement.
- High energy efficiency.
- Fewer recharging intervals.
- Easy maintenance thanks to optimized access points.



Top Terminal Version

Front Terminal Version

grid | Xtreme VR cabinet

SPECIFICATIONS SHEET



Top Terminal Time-in-Minutes-25C@250KW-480Vdc -(40-12V Modules)					
Dimensions	Cabinet	Battery	1.60	1.65	1.67
78.7 X 40 X 29.5	ETC41	grid Xtreme VR 123900	4.00	3.20	3.00
78.7 X 40 X 29.5	ETC41	grid Xtreme VR 124700	5.00	4.10	3.50
78.7 X 40 X 29.5	ETC41	grid Xtreme VR 125200	7.30	6.20	6.00

Front Terminal Time-in Minutes-25C@250KW- (40-12V Modules)					
Dimensions	Cabinet	Battery	1.60	1.65	1.67
84 X 45.5 X 29.5	EFC52	grid Xtreme VR 121800 FT	6.50	5.40	4.80
84 X 45.5 X 29.5	EFC52	grid Xtreme VR 122000 FT	6.40	5.20	4.70

All standard cabinets are seismically certified.
Acid-resistant powder coat finish in wide selection of colors to match major UPS OEMs.

grid | Xtreme VR - Ultra Pure Lead Acid

BATTERY SPECIFICATIONS



CONSTRUCTION

High performance Pure Lead grid electrodes for maximum corrosion resistance also for use under **elevated operating temperature**

High quality and low resistance microporous glass fiber separator combined with **ESS technology** ensures optimum charge carrier exchange and improves a **long-term-stability**

Fully isolated HOPPECKE connector system

Innovative plastic-overmolded dual pole design with an **access for impedance measurements**

Self-regulating pressure relief valve per cell to prevent interaction between cells of a block with backfire inhibiting for increased **operational safety**

UL94 V-0 rated flame retardant ABS-PC material (halogen-free) – high heat, shock and vibration resistant

15-years design life and optimized aging behavior at high temperatures

Improved compatibility- M8 terminals can be easily downsized to M6 for more versatility



INSTALLATION & OPERATION

Suitable for standby parallel operation as well as partial cyclic applications

FT: **real front terminals** for an ease of installation and maintenance – no additional connectors needed

Recommended charge float voltage: 2.3 Vpc @ 20°C (68°F) / 2.288 Vpc @ 25°C (77°F)

Operating temperature range extremely wide from -40°C to +55°C (**-40 °F to + 131 °F**) for pure series and from -35°C up to 50°C (**-35 °F to + 122 °F**) for green series

Storage time extended up to **2 years** for maximum project deployment flexibility

Reduced maintenance: no refilling of distilled water is required



STANDARDS

Designed to be compliant with international standard **IEC 60896-21/22**

Usage in applications where longest life and highest reliability are required. Therefore, classified as **“Very Long Life”** (>12 years) according to Eurobat Guide 2015

UL recognized component

UL94 V-0 rated flame retardant ABS-PC material (halogen-free)

Classified as non-spillable battery and approved as non-hazardous cargo for land, sea and air transportation in accordance with the requirements of **ADR / RID, IMDG, IATA and DOT UN2800**

Exclusively manufactured in HOPPECKE certified production facilities in accordance with **ISO 9001, ISO 14001, ISO 50001 and ISO 45001**

