



01 Electronics

◆ 2026 edition • 20 years of power

Product Catalogue

106 products across UPS systems, generators (gensets) and industrial batteries — supplied, commissioned and supported by our own engineers.

01

UPS

39 products

02

Generators

13 products

03

Batteries

54 products

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◆ SECTION 01

UPS

Single-phase, three-phase, modular and industrial UPS systems from Borri and Legrand — from office racks to data centers and harsh industrial sites.

01.1 Single-phase UPS p. 4

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01.3 Modular three-phase UPS p. 13

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39 products



◆ UPS · 01.1

Single-phase UPS

FEATURED · LEGRAND

Keor S

Single-phase online double-conversion UPS with IGBT, high-frequency PWM technology for small and medium data centers, networks and servers.

- ◆ 3, 6 and 10 kVA
- ◆ THD below 3%
- ◆ Optional isolation transformer
- ◆ Online double conversion
- ◆ Internal and external battery
- ◆ Automatic self-test



6 products



◆ SINGLE-PHASE UPS · LEGRAND

Commercial Single Phase (Consumer and Soho)



◆ New Keor Multiplug

Single phase line interactive UPS with power ratings of 600 and 800 VA.

The Keor Multiplug is a uninterruptible power supply with interactive line technology. It delivers a rated power of 600VA and 800VA, it is CPU-controlled and is equipped, internally, with valve-regulated, hermetically sealed lead accumulator battery. The presence of an...

- ◆ Replaceable fuse for fine protection in case of short-circuits.
- ◆ LED indicators.
- ◆ Internal AVR (Automatic Voltage Regulator).



◆ Keor PDU

800 VA for cabinet applications 19 inches wall racks.

Keor PDU is a new UPS specifically designed for installation in 19-inch panels and racks. Its PDU style design with ultra compact dimensions provides 8 sockets with up to 15 minute autonomy in just 2 rack units.

- ◆ 3 LEDs to monitor UPS status in real-time
- ◆ Low energy consumption
- ◆ Economically advantageous solution



◆ Keor SP

Single phase line interactive UPS with power ratings of 600 - 800 - 1000 - 1500 - 2000...

The Keor SP is a single phase uninterruptible power supply with line interactive technology. It delivers a rated power of 600-800-1000-1500-2000VA, it is CPU-controlled and is equipped, internally, with valve-regulated, hermetically sealed lead accumulator batteries...

- ◆ 3 colors LED bar
- ◆ Mute button
- ◆ Internal AVR (Automatic Voltage Regulator)



◆ Keor SPE Tower

Tower version from 750 to 3000 VA

The Legrand UPS Keor SPE Tower is an uninterruptible power source with line-interactive technology with pure sinewave output. It delivers a rated power from 750 to 3000 VA, is managed by a microprocessor, is equipped with integrated self-diagnostics and works on...

- ◆ Power Factor: 0.8
- ◆ User friendly LCD display
- ◆ Multicolored status bar LED

◆ SINGLE-PHASE UPS · LEGRAND

Commercial Single Phase (Conventional)



◆ Daker DK Plus

VFI single phase on line double conversion convertible UPS systems from 1kVA to...

Daker DK UPS Plus is a single phase uninterruptible power supply with high frequency PWM technology, Double Conversion OnLine. It delivers a rated power of 1000-2000-3000-5000-6000-10000VA, equipped with valve-regulated, hermetically-sealed accumulator batteries...

- ◆ On-Line double conversion technology protects from all power failures for maximum uptime.
- ◆ Active harmonic power quality control with THD <3% for maximum compatibility with sources.
- ◆ Easy user-replaceable battery.



◆ Keor S

Single phase conventional UPS on line double conversion from 3 to 10 kVA.

Keor S UPS is a single phase uninterruptible power supply with IGBT switching technology, high frequency PWM technology, Double Conversion On-line, it delivers a rated power of 3-6-10kVA. The architecture of this UPS means it can be installed in a Tower configuration....

- ◆ Active harmonic power quality control with THD <3%.
- ◆ Automatic self-test.

◆ UPS • 01.2

Three-phase UPS

FEATURED • BORRI & LEGRAND

Ingenio Plus • Keor HPE

Transformer-free three-phase online UPS with Green Conversion technology — high efficiency even at light loads, in a compact footprint.

- ◆ Ingenio Plus 30–160 kVA
- ◆ 0.99 input power factor
- ◆ Cold start option
- ◆ Keor HPE 60–600 kVA
- ◆ Up to 6 units in parallel
- ◆ Built-in battery to 80 kVA



17 products



◆ THREE-PHASE UPS · BORRI

Commercial Three Phase (Transformer-less)


◆ **B8031FXS / B8033FXS**

UPS 10-20 kVA 3/1 - 3/3 3-Ph in/1-Ph out UPS with built in battery and modular power...

Single-phase and three-phase output UPS for small and medium data centers, servers, network and telecom devices, safety and emergency systems, building automation, medical equipment. Small size and high power density. Paralleled solutions up to 120 kVA. High...

- ◆ Minimum Amount Of Installation Space.
- ◆ Low Running Cost: High Efficiency And ECO Mode Reduce Overall Power Losses.
- ◆ Full IGBT Technology Providing Smooth Sinusoidal Input Current.


◆ **Ingenio Compact**

UPS 10-20 kVA 3/3.

Ingenio Compact three-phase UPS provides a perfect solution for critical power applications such as networks and servers, small and medium data centers, telecommunication. Ingenio Compact is a three-phase UPS available in the 10-20 kVA ran...

- ◆ Reduced commissioning and floor space related costs and lower environmental footprint.


◆ **Ingenio Plus**

UPS 30-160 kVA 3/3.

Low TCO, efficient and compact solution for supplying reliable uninterrupted quality power to all critical applications in networking and small to medium data center, health, finance, industrial processing, building and transportation markets and for TLC. Featuring Green...

- ◆ Continuous savings with Green Conversion patented technology.
- ◆ Maximum availability during mains failure thanks to cold start option.


◆ **Ingenio MAX**

UPS 200-600 kVA 3/3.

Low Total Cost of Ownership, high efficiency and compact solution for supplying reliable uninterrupted quality power to all critical applications in networking and medium to large data center, health, finance, industrial processing, building and transportation markets and...

- ◆ Continuous savings with three level Green Conversion technology.

◆ THREE-PHASE UPS · BORRI

Commercial Three Phase (Transformer-based)



◆ 9000FXS

UPS 60-300 kVA 3/3.

The three-phase B9000FXS transformer-based UPS has been designed for heating, ventilation and air conditioning equipment, safety and emergency systems, process control devices and machine tooling, critical infrastructures, medical equipment, small and...

- ◆ High efficiency and ECO mode to reduce overall power losses and thus energy costs.



◆ 9600FXS

UPS 400-800 kVA 3/3.

Three-phase output Uninterruptible Power Supplies for heating, ventilation and air conditioning equipment, safety and emergency systems, process control devices and machine tooling, critical infrastructures, medical equipment, data center monolithic power...

- ◆ Available Installation Area.
- ◆ High Efficiency And ECO Mode Reduce Overall Power Losses And Thus Energy Costs.

◆ THREE-PHASE UPS · BORRI

Commercial Three Phase (Emergency and Central systems)



◆ E8031ECS / E8033ECS

ECS 10-20 kVA 3/1 - 3/3.

Borri E8000 ECS Emergency Central Systems have been designed in compliance to the international EN 50171 standard, supplying uninterrupted quality power to emergency and safety installations, such as: Emergency lighting. Automatic fire detection and extinguishing...

- ◆ Small footprint thanks to a compact transformer free design.
- ◆ Fast installation and monitoring: user-friendly design with built-in LCD display.
- ◆ Easy access for fast maintenance and low MTTR.



◆ Ingenio ECS

ECS 30-160 kVA 3/3.

Borri INGENIO ECS Emergency Central Systems have been designed in compliance to the international EN 50171 standard, supplying uninterrupted quality power to emergency and safety installations, such as: Emergency lighting Automatic fire detection and extinguishing...

- ◆ Small footprint thanks to a compact transformer free design.
- ◆ Easy access for fast maintenance and low MTTR.

◆ THREE-PHASE UPS · BORRI

Data Center Solutions



◆ Ingenio MAX XT

Scalable High Power

INGENIO MAX XT power protection system can be configured with 250 kW or 300 kW MPM power modules. Power expansion or redundancy can be implemented at a later stage by installing additional MPM modules up to 2.1 MW without needing to put the UPS on bypass...



◆ UPSaver / UPSaver 3vo

Modular High Power

High power modular UPSs UPSaver and UPSaver 3vo deliver unsurpassed performance for large and hyperscale data centres providing the highest level of availability for this power range, lowest power consumption and TCO. 98.5% average efficiency Modularity,...

◆ THREE-PHASE UPS · BORRI

Static Transfer Switch



◆ STS 16-32

STS 16-32 A 1/1.

STS 16-32 is the Borri single-phase static transfer switch series designed to offer solutions for the protection of single-phase loads. The product is available in two versions: STS 16 A and STS 32 A that can be easily integrated thanks to a simple and flexible 19" rack system...

- ◆ Added redundancy of power supplies to all critical loads.



◆ STS 300

STS 100-3000 A 3 phase.

Three-phase static transfer switches for seamless load transfer in dual path power systems. Rugged design and high reliability Solutions up to 3000 A Optimized system configuration for ICT applications Customization for harsh environment and specific applications

◆ THREE-PHASE UPS · LEGRAND

Commercial Three Phase (Transformer-less)



◆ Keor Compact

Is a three phase uninterruptible power supply on line double converter 10-15-20 kVA.

Keor Compact UPS is a three-phase uninterruptible power supply On-line Double Conversion. It delivers a rated power of 10-15-20 kVA. With its compactness and easy installation and use, Keor Compact is perfect for all typical three phase small power...

- ◆ On line Double Conversion
- ◆ Input Power factor correction PFC (input PF>0,99)
- ◆ User friendly touch screen display 4.3"



◆ Keor-T Evo

Is a three phase uninterruptible power supply, on line Double Conversion able to...

KEOR T EVO UPS is a three-phase uninterruptible power supply, On-line Double Conversion able to provide with continuity the rated power of 10-15-20-30-40-60 kVA. It is also available in a compact version with a power range of 10-15-20 kW. Based on Transformer-...

- ◆ Minimum Amount Of Installation Space.
- ◆ Low Running Cost: High Efficiency And ECO Mode Reduce Overall Power Losses.
- ◆ Full IGBT Technology Providing Smooth Sinusoidal Input Current.



◆ Keor HPE

Is a three phase uninterruptible power supply on line Double Conversion with 3 Level...

Keor HPE UPS is a three-phase uninterruptible power supply On-line Double Conversion with 3-Level IGBT technology, PWM high frequency and with the possibility to be connected in parallel to have N+X redundancy up to total 6 units. It delivers a rated power of 60-80-...

- ◆ Continuous savings with Green Conversion patented technology.
- ◆ Maximum availability during mains failure thanks to cold start option.

◆ THREE-PHASE UPS · LEGRAND

Commercial Three Phase (Transformer-based)



◆ Keor HP

Is a three phase uninterruptible power supply on line Double Conversion with PWM...

Keor HP UPS is a three-phase uninterruptible power supply On-line Double Conversion with PWM high frequency and with the possibility to be connected in parallel to have N+X redundancy up to total 6 units. It delivers a rated power of 60-80-100-125-160-200-250-...

- ◆ High Efficiency And ECO Mode Reduce Overall Power Losses And Thus Energy Costs.

◆ THREE-PHASE UPS · LEGRAND

Commercial Three Phase (Emergency and Central systems)



◆ Trimod MCS

The CPS (Central Power Supply) TriMod MCS are single phase and three phase centr...

: The CPS (Central Power Supply) TRIMOD MCS are single-phase and three-phase central power supply systems with high frequency PWM technology, On Line Double Conversion type, modular architecture, with the possibility of redundant N+X configuration. The MCS...

- ◆ Single-phase and three-phase modular CPS
- ◆ Power from 3 to 80kW
- ◆ Compliant with EN 50171

◆ UPS · 01.3

Modular three-phase UPS

FEATURED · LEGRAND

Keor MOD

Modular three-phase online double-conversion UPS for data centers, networks and critical processes — scalable as your load grows.

- ◆ 25–250 kW per system
- ◆ Up to 600 kW in parallel
- ◆ Up to 96.8% efficiency
- ◆ N+1 modular redundancy
- ◆ Output power factor 1
- ◆ 10" rotating touch screen



4 products



◆ MODULAR THREE-PHASE UPS · LEGRAND

Commercial Three Phase (Modular)



◆ Trimod HE

TriMod HE UPS is a three phase uninterruptible power supply on line double...

TRIMOD HE UPS is a three-phase uninterruptible power supply on line double conversion with PWM High-Frequency technology, modular architecture with the possibility to have N+X redundancy. Are made up of individual single phase modules which are redundant an...

- ◆ Three-phase modular UPS systems
- ◆ Power from 10 to 80 kW NEW
- ◆ VFI-SS-111 on-line double conversion



◆ Keor MOD

KEOR Mod is a three phase uninterruptible power supply on line double conversion...

Keor MOD is a three-phase uninterruptible power supply on line double conversion with PWM High-Frequency technology, modular architecture with the possibility to have N+X redundancy. It delivers a rated power from 25 to 250kW, each unit can be connected in...

- ◆ Just two cabinet configurations (up to 125 kW and up to 250 kW)
- ◆ Internal Backup time up to 125 KW
- ◆ UPS system capacity up to 600 kW

◆ MODULAR THREE-PHASE UPS · LEGRAND

Data Center Solutions

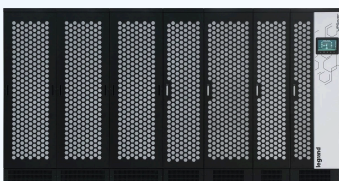


◆ Keor XPE

Is a complete Scalable UPS System based on 250 kVA or 300 kVA power units and ca...

: Keor XPE is a complete Scalable UPS System based on 250 kVA or 300 kVA power units and can reach up to 2.1 MVA nominal power. On-line Double Conversion, cutting edge technology, high quality material and fine design, Keor XPE is the ideal solution for...

- ◆ Up to 7 power units of 250 kVA or 300 KVA
- ◆ Scalability
- ◆ Redundancy



◆ UPSaver

Scalable High Power Ups up to 21 MVA

UPSaver is a high power UPS based on hot scalable 333 kVA modules. It can reach up to 2.67 MVA in a single unit. The single units can be paralleled up 21 MVA. UPSaver is the ideal solution for data center and IT business critical applications, providing the highest reliabilit...

- ◆ Hot swappable 333 kVA modules on VFI mode (on demand);
- ◆ Hot scalable to 2.67 MVA;
- ◆ 97.2% efficiency;

◆ UPS · 01.4

Industrial UPS

FEATURED · BORRI

E3001 industrial UPS

Heavy-duty online double-conversion AC industrial UPS with full galvanic isolation, built for harsh environments and customised to each project's specification.

- ◆ 5-600 kVA, three-phase
- ◆ Full galvanic isolation
- ◆ Built for harsh environments
- ◆ Very low MTTR
- ◆ Customisable to specification
- ◆ IGBT version available



12 products



◆ INDUSTRIAL UPS · BORRI · 1 / 3

Industrial Units




◆ RMB.e

DC UPS 50-100A 1ph.

Compact, heavy duty Rectifier Battery Charger with full galvanic insulation. Designed to supply auxiliary loads, Switchgears and Protection Relays of Electrical Substations, in the Utilities applications. Input Rectifier transformer for AC/DC galvanic separation Standard...



◆ RTB Compact

Battery Charger / 50-200 A.

The RTB Compact is designed to cover the lower range of industrial chargers but still offering all the functions and controls with Borri microprocessor controller providing reliable operations with ease of settings and communication. Built with a rugged thyristor-controll...

- ◆ Proven microprocessor control.
- ◆ Large LCD panel with mimic panel and history.
- ◆ Wide selection of alarms, indications and measurements.



◆ RTB

Battery Charger

Borri RTB range of Industrial Thyristor Controlled 3-Phase Battery Chargers are designed and built for the harshest conditions and to provide high reliability power supply and battery charging capability. Using a powerful microprocessor to control all the functions provides...

- ◆ Proven microprocessor control.
- ◆ Large LCD panel with mimic panel and history.
- ◆ Wide selection of alarms, indications and measurements.



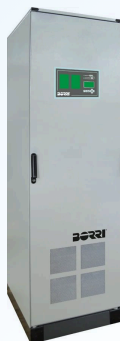
◆ IMB

Inverter 5-200 kVA 1-ph.

Borri AC Industrial 1-Ph Inverter IMB is designed and manufactured to withstand harsh environment and operating conditions of industrial applications with state-of-the-art technology, providing reliable and customizable AC power backup solutions. Borri's IMB is...

- ◆ Large LCD panel with mimic diagram and history.
- ◆ Wide selection of alarms, indications and measurements.
- ◆ Built-in inverter transformer.

Industrial Units



◆ ITB

Inverter 5-600 kVA 3-ph. Reliable and customizable Industrial 3-phase Inverter with...

Borri AC Industrial 3-Ph Inverter ITB is designed and manufactured to withstand harsh environment and operating conditions of industrial applications with state-of-the-art technology, providing reliable and customizable AC power backup solutions. Borri's ITB is ...

- ◆ Large LCD panel with mimic diagram and history.
- ◆ Wide selection of alarms, indications and measurements.
- ◆ Built-in inverter transformer.



◆ E2001

AC UPS 5-200 kVA 1-ph.

: Borri AC Industrial 1-Ph Uninterruptible Power System E2001 is designed and manufactured to withstand harsh environment and operating conditions of industrial applications with state-of-the-art technology, providing reliable and customizable AC pow...

- ◆ Rugged rectifier thyristor bridge with input isolation transformer.
- ◆ Large LCD panel with mimic diagram and history.
- ◆ Wide selection of alarms, indications and measurements.



◆ E2001 Compact

AC UPS 5-30 kVA 1-ph.

The Borri Industrial 1 -Phase UPS E2001 Compact is designed and manufactured to withstand harsh environment and operating conditions of industrial applications with state-of-the-art technology, providing reliable and customizable AC power backup in a compact...

- ◆ Rugged rectifier thyristor bridge with input isolation transformer.
- ◆ Large LCD panel with mimic diagram and history.
- ◆ Wide selection of alarms, indications and measurements.



◆ E3001

AC UPS 5-600 kVA 3-ph. Reliable and customizable AC Industrial 3-phase UPS with...

Borri AC Industrial 3-Ph Uninterruptible Power System E3001 is designed and manufactured to withstand harsh environment and operating conditions of industrial applications with state-of-the-art technology, providing reliable and customizable AC power backup...

- ◆ Rugged rectifier thyristor bridge with input isolation transformer.
- ◆ Large LCD panel with mimic diagram and history.
- ◆ Wide selection of alarms, indications and measurements.

◆ INDUSTRIAL UPS · BORRI · 3 / 3

Industrial Units




◆ E3001 Compact

AC UPS 5-30 kVA 3-ph.

The Borri Industrial 3 -Phase UPS E3001 Compact is designed and manufactured to withstand harsh environment and operating conditions of industrial applications with state-of-the-art technology, providing reliable and customizable AC power backup in a compact...

- ◆ Rugged rectifier thyristor bridge with input isolation transformer.
- ◆ Large LCD panel with mimic diagram and history.
- ◆ Wide selection of alarms, indications and measurements.



◆ UMB DC

Modular DC System / 24-220 V.

Borri Modular DC Uninterruptable Power System has been designed for industrial applications from oil & gas, power generation, utilities, water treatment, desalination to transport, telecom, chemical industries and industrial process control. UMB has been...

- ◆ LCD display and data interface for monitoring.
- ◆ Single, N+1 and N+N configurations.
- ◆ Scalability for future power growth.

◆ INDUSTRIAL UPS · BORRI

Renewable Power



◆ Copernico TT

LV photovoltaic power plants MV/HV photovoltaic power plants Stand alone photovoltaic power plants with energy storage system Grid connected photovoltaic power plants with energy storage system Hybrid power generation station Peak shaving Load balancing Tim...



◆ Copernico TL

LV photovoltaic power plants MV/HV photovoltaic power plants Stand alone photovoltaic power plants with energy storage system Grid connected photovoltaic power plants with energy storage system Hybrid power generation station Peak shaving Load balancing Tim...

◆ SECTION 02

Generators

Diesel generating sets from 10 to 3,000 kVA on Cummins, Perkins, John Deere, Volvo Penta and Honda engines with Stamford and Leroy-Somer alternators — base-frame, soundproofed, telecom, medium-voltage and mobile units.

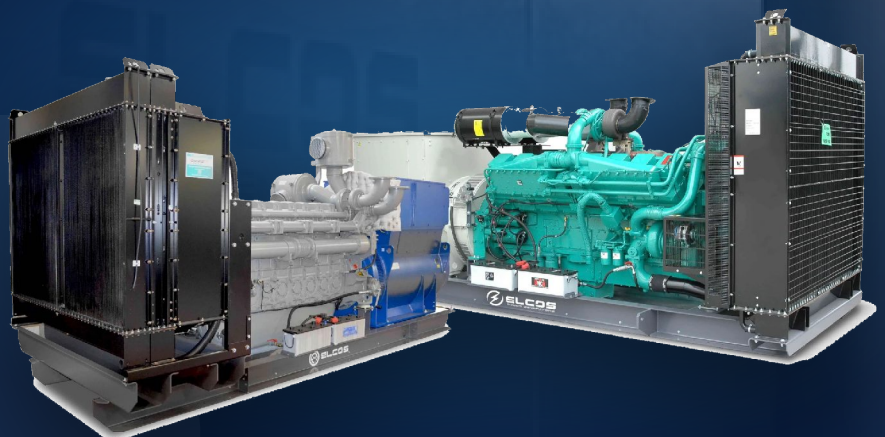
ENGINES & ALTERNATORS

Diesel gensets, 10–3,000 kVA

Base-frame, soundproofed, telecom, medium-voltage and mobile generating sets — load-tested, commissioned and maintained by our own team.

- ◆ 10–3,000 kVA
- ◆ Soundproofed canopies
- ◆ Telecom & hybrid sets
- ◆ Medium-voltage systems
- ◆ Container & mobile units
- ◆ Load-tested before handover

13 products



◆ GENERATORS

Low-Voltage Generators (10–3000 kVA)



◆ Base Frame

BASE FRAME GS, RANGE 10-3000 KVA ,Diesel Generators Fixed base for Premises o...

The range of Elcos base frame Generators offers a reliable energy source for industrial use. Often used as a primary source of supply in self-production installations or as a mains emergency back-up system. The range of ELCOS Base frame Generators allows...

- ◆ Power range: 10 – 3000 kVA.
- ◆ Power generators 1500-1800 rpm – 50/60Hz, 400-230 V/480-240V.
- ◆ Emergency stop button.



◆ Professional

Thanks to a sturdy metal structure, they guarantee reliable handling. They are built...

The generating sets of our PRO range cover emergency needs in support to the standard supply of electricity. They guarantee a reliable power supply and the maximum level of performance in the event of a sudden power failure. The PRO range covers the reference...

- ◆ Power range: 10 – 500 kVA.
- ◆ Generating set: 1500-1800 rpm – 3000/3600 rpm – 50/60Hz, 400-230 V/480-240V.
- ◆ Command and control panel accessible from outside and protected from atmospheric factors.



◆ Super Silent

Super Soundproofed generators for residential areas.They're built with elements of...

ELCOS Super Silent Gen Sets is a versatile range built to cover the widest application field and customizable to any needs. They offer the maximum level of performance in the event of a sudden power failure. These Gen Sets grant a reliable power supply and optimize the...

- ◆ Power range: 10 – 3000 kVA.
- ◆ Power generators 1500-1800 rpm – 50/60Hz, 400-230 V/480-240V.
- ◆ Slopping roof to avoid rain water stagnation.



◆ Telecom

High-performance Diesel Generators. TLC generators are conceived to offer Long...

: ELCOS Gensets for Telecom Sites combine the reliability and versatility that TLC companies need. This well engineered and easy to use generator provides High performance, Long runtime, OPEX and CAPEX reduction and Extended services intervals....

- ◆ Power range: 10 – 60 kVA.
- ◆ Power generators 1500-1800 rpm – 50/60Hz, 400-230 V/480-240V 48 VDC.
- ◆ Optical laser fuel sensor to be warned if the fuel level drops suddenly.

◆ GENERATORS

Generators (3000–3600 rpm)



◆ Echo Portable

Generating sets designed to offer portable power solutions. The ECHO series...

The ECHO series generators offer a wide range of uses and engine brands. Equipped with Auto Choke System, Voltmeter, Circuit breaker, Hour Counter, Magneto-thermal switch, onboard control panel, and sockets.

- ◆ Power range: 3 – 13 kVA.
- ◆ Power generators 3000 rpm – 50/60 HZ, 400-230 V/480-240V.
- ◆ Low oil shutdown system



◆ Zip Super Silent

Generating sets are designed to offer super silent and portable power solutions.

The ZIP series generators offer a wide range of uses. The ZIP series generators are equipped with Start/stop emergency button externally accessible, a Residential muffler, a Magneto-thermal breaker, a Tank on board, an Anti-overturning base frame, a Fuel gauge,...

- ◆ Power range: 3 – 13 kVA.
- ◆ Power generators 3000 rpm – 50/60 HZ, 400-230 V/480-240V.
- ◆ Low oil shutdown system

◆ GENERATORS

Power Systems

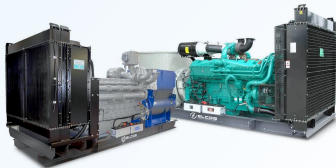

◆ GDC SAPS
POWER STATIONS

: Power station with smart Energy management system, supplied by renewable sources. The hybrid SAPS module is the sustainable green solution to deliver power to isolated users in independently from the Mains.


◆ GDC HS

The HS Power Systems Are Built In One Easy-To-Install unit with Sturdy Canopy and wide Access Doors For Fast And Easy Maintenance. Extremely Long Runtime and Maintenance intervals from 1000/4000 working hours without the need for checks by personnel on site....

- ◆ Power range: 5 – 26 KVA.
- ◆ Stand-alone systems.
- ◆ Up To 7000 working hours / 294 Days Or 10 Months.


◆ GMV Medium Voltage

The NO-BREAK systems offer reliable all-in-one power solutions. The NO-BREAK range provides containerized systems solutions that can be easily deployed and installed wherever and whenever needed, with minimal impact on the existing plant room.

- ◆ Power range: 150 – 600 KVA.
- ◆ Mobile electrical emergency systems without interruptions.
- ◆ Tier 3 or 4.


◆ No Break

The NO-BREAK systems offer a reliable all-in-one power solutions. The NO-BREAK range provide containerised systems solutions that can be easily deployed and installed wherever and whenever needed, with minimal impact on existing plant room.

- ◆ Power range: 150 – 600 KVA.
- ◆ Mobile electrical emergency systems without interruptions.
- ◆ Tier 3 or 4.

◆ GENERATORS

Other Products


◆ **Agriplus P.T.O. Generators**

The PTO of the AGRIPUS series offers an electric power source coupled to the driving force of the tractor.

- ◆ Power range: 10 – 100 KVA.
- ◆ IP 23 2 poles 3000 rpm Compound.
- ◆ IP 23 poles 1500 rpm Brushless.


◆ **Container**

ELCOS offers the possibility of installing power generators inside CONTAINERS Iso Range 20/20HC' – 30/30HC' – 40/40 HC' according to the customer's requirements. All the CONTAINERS can be silenced up to 50 dB(A) @ 7m. On request, it is also possible to...

- ◆ Iso Range 20/20HC' – 30/30HC' – 40/40 HC.
- ◆ Aspiration Louvres that guarantee a suitable ventilation in all conditions.
- ◆ Emergency devices lever to the stop the fuel and EPO.


◆ **Vehicle-Mounted**

Elcos vehicle-mounted generating sets are systems suitable for installation on mobile vehicles to meet the different needs of all its customers. The vehicle-mounted generating sets are able to supply power while keeping a very compact design. They can be easily...

- ◆ Power range: 10 – 200 KVA.
- ◆ Generating set 1500-1800 rpm – 3000/3600 rpm – 50/60Hz.
- ◆ Single-phase / Three-phase.

◆ SECTION 03

Batteries

Lead-acid (AGM, GEL and flooded) and nickel-cadmium batteries from FIAMM, EnerSys, Exide, Ritar, Ultracell, Chloride, Saft and Alcad for UPS, telecom and critical DC systems.

03.1

Lead-acid batteries (SLA / VRLA)

p. 25

03.2

Nickel-cadmium batteries (Ni-Cd)

p. 40

54 products



◆ BATTERIES · 03.1

Lead-acid batteries (SLA / VRLA)

FIAMM · ENERSYS · EXIDE · RITAR ·
ULTRACELL · CHLORIDE

AGM, GEL & flooded

Sealed VRLA blocks and cells (AGM and GEL) and flooded lead-acid cells for UPS, telecom, solar and critical DC systems.

- ◆ AGM & GEL VRLA blocks
- ◆ 2 V GEL & OPzV cells
- ◆ Flooded OPzS cells
- ◆ Front-terminal telecom blocks



46 products



◆ LEAD-ACID BATTERIES (SLA / VRLA) • FIAMM

GEL VRLA



◆ SMG

OPzV Maintenance-Free, GEL cell 18 years design life GEL battery; perfect for...

OPzV Maintenance-Free, GEL cell The SMG with tubular die casted positive grid is a range designed for applications where performance and operating conditions are critical. They are maintenance-free and combine the benefits of a gelled electrolyte which provides longer...



◆ SMG S

Maintenance-Free cyclic, GEL cell

Maintenance-Free cyclic, GEL cell The SMG/S with tubular die casted positive grid is designed for high cyclic applications combined with renewable energy sources. The batteries are maintenance-free and combine the benefits of a gelled electrolyte which...

◆ LEAD-ACID BATTERIES (SLA / VRLA) • FIAMM • 1 / 3

AGM VRLA



◆ FG

General Purpose AGM Battery

General Purpose AGM Battery The FG battery range has been designed to cover a wide range of applications. The footprint of batteries is also ideal for critical installations. Connection is simple on smaller model sizes thanks to the easy 'fast-on' terminals. Our FG...



◆ FGH

High-Rate Performance Battery

High-Rate Performance Battery FGH range is designed for maximum performance in critical power applications such as UPS and is available in 12V blocks with a capacity range from 5Ah to 18Ah. The FGH batteries are designed with unsurpassed proven reliability and are...



◆ FGHL

Long life High-Rate Performance Battery

Long life High-Rate Performance Battery FGHL is designed for maximum performance in critical power applications such as UPS and is classified as "long life" according to the Eurobat Guide; this means 10 years of design life. The range is available with a capacity...



◆ FHB

Long life High-Rate Performance Battery

Long life High-Rate Performance Battery FGHL is designed for maximum performance in critical power applications such as UPS and is classified as "long life" according to the Eurobat Guide; this means 10 years of design life. The range is available with a capacity...

◆ LEAD-ACID BATTERIES (SLA / VRLA) • FIAMM • 2 / 3

AGM VRLA



◆ FHC

Cyclic Maintenance-Free, AGM battery

Cyclic Maintenance-Free, AGM battery FIAMM has developed the FHC family which is designed using our superior grid alloy technology to withstand applications where there is a need to frequently charge and discharge the battery. Standard batteries that are subjected...



◆ FHT

High Temperature Battery

High Temperature Battery The FHT AGM VRLA range is designed to operate at higher temperatures. These batteries are made using our superior grid alloy technology which means that the battery can operate for a full 7 years at 35°C. This special high-temperatur...



◆ FIT

Very Long-Life, Front Terminal AGM battery

Very Long-Life, Front Terminal AGM battery The FIT AGM VRLA range is designed for the highest reliability and safety fields. These batteries are constructed with an easy-access front-terminal design and are particularly suited to telecom backup applications in 19" and...



◆ FLB

Unsurpassed High-Rate Performance AGM battery

Unsurpassed High-Rate Performance AGM battery The FLB is one of our most popular battery and is used extensively in many applications including UPS backup power. The battery is designed to deliver the highest levels of performance. The high energy density...

◆ LEAD-ACID BATTERIES (SLA / VRLA) • FIAMM • 3 / 3

AGM VRLA

FIAMM

◆ SLA

Very Long-Life, Top Terminal AGM battery

Very Long-Life, Top Terminal AGM battery SLA is the pillar of the FIAMM range of AGM VRLA batteries and is designed for demanding applications to achieve the highest level of reliability and security. The range is perfect for critical applications, due to its proven...

◆ LEAD-ACID BATTERIES (SLA / VRLA) • FIAMM

FLOODED



◆ LM

OPzS Flooded Cell

OPzS Flooded Cell The LM series is an OPzS vented range designed by FIAMM to meet DIN 40736 standard. Typical applications include telecommunication, industrial UPS, utilities, industry, railways and Oil & Gas applications. The LM series has been designed to provide...



◆ LM Solar

Maintenance-Free cyclic, GEL cell

Maintenance-Free cyclic, GEL cell The SMG/S with tubular die casted positive grid is designed for high cyclic applications combined with renewable energy sources. The batteries are maintenance-free and combine the benefits of a gelled electrolyte which...



◆ SD / SDH

High-Rate Flooded Cells

High-Rate Flooded Cells The SD-SDH range is the perfect choice when the application requires high power in a short period. Main applications include industrial UPS, utilities, industry and oil & gas. The range is designed to provide a high level of robustness for...



◆ SGL / SGH

GRoE Flooded Cell

GRoE Flooded Cell The SGL-SGH battery series is a GRoE vented battery range designed to meet the DIN 40738 norm. SGL SGH cells differentiate from traditional flooded batteries with a Planté positive pure lead plate which brings a unique laminate design. This robust...

◆ LEAD-ACID BATTERIES (SLA / VRLA) · ENERSYS · 1 / 2

EnerSys



◆ PowerSafe SBS

AGM VRLA · 12 V blocks and 2 V cells; 7–361 Ah blocks (31–205 Ah front-terminal), 3...

PowerSafe SBS batteries use EnerSys' Thin Plate Pure Lead (TPPL) valve-regulated technology and come in 12 V front- and top-terminal blocks plus 2 V cells in OPzV/OPzS DIN container sizes. They are built for float and cyclic duty in telecom, UPS, utility and...

- ◆ Thin Plate Pure Lead (TPPL) technology
- ◆ High energy density for system upgrades or a smaller footprint
- ◆ Long service life and up to 2-year shelf life



◆ PowerSafe SBS EON

AGM VRLA · 12 V front-terminal blocks and 2 V cells; 62–3900 Ah (C10)

PowerSafe SBS EON Technology batteries are TPPL valve-regulated batteries that keep the long float life of PowerSafe SBS and add better cycling at float voltage and under fast charge. They come in 12 V front-terminal blocks and 2 V cells in OPzV/OPzS DIN sizes....

- ◆ 15-year design life at 20 °C
- ◆ Thin Plate Pure Lead (TPPL) technology
- ◆ Improved cyclic ability in float and fast-charge use



◆ PowerSafe SBS XL

AGM VRLA · 12 V front-terminal blocks; 83–180 Ah (C10)

PowerSafe SBS XL-12V is a high-temperature version of the TPPL PowerSafe SBS, made for telecom and cable sites where operators want to raise air-conditioning set points. EnerSys rates it for a 10-year design life at 35 °C and 20 years at 25 °C. It meets Telcordia GR-422...

- ◆ 10-year design life at 35 °C; 20 years at 25 °C
- ◆ Thin Plate Pure Lead (TPPL) technology
- ◆ Lets operators raise ambient temperature and cut cooling costs



◆ PowerSafe OPzV

GEL VRLA · 2 V cells; 215–3170 Ah (C10)

PowerSafe OPzV cells are gel valve-regulated batteries with die-cast tubular positive plates. Their capacity exceeds the DIN standard ratings. They need no watering, give a 20-year service life at 20 °C, and can be installed vertically or horizontally. They comply with IEC...

- ◆ 20-year service life at 20 °C
- ◆ No watering required (VRLA gel)
- ◆ Die-cast tubular plates for good cycling and long float life

◆ LEAD-ACID BATTERIES (SLA / VRLA) · ENERGYSYS · 2 / 2

EnerSys

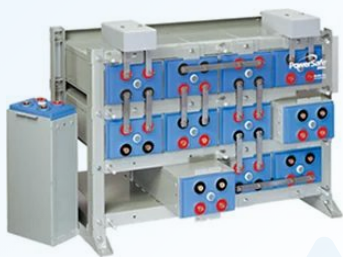


◆ PowerSafe OPzS

Flooded · 2 V cells; 216–3360 Ah (C10)

PowerSafe OPzS cells are vented (flooded) lead-acid batteries with tubular positive plates and pasted flat negative plates. Their capacity exceeds DIN ratings. EnerSys rates them for a 20-year service life at 20 °C with a 3-year watering interval, for telecom, power...

- ◆ 20-year service life at 20 °C
- ◆ 3-year watering interval
- ◆ Tubular plate design for cycling and long float life



◆ PowerSafe DDm

AGM VRLA · 2 V cells in steel modules; 202–1980 Ah (C10), up to 2000 Ah per cell

PowerSafe DDm is a large-capacity AGM valve-regulated system. Its cells sit in protective steel modules that keep the plates under uniform compression, and the modules fit an integral racking frame. It has a 20-year design life on standby float, and the frame allows...

- ◆ 20-year design life on standby float
- ◆ Up to 2000 Ah in a single cell, 100% initial capacity
- ◆ Steel-module design with integral, fast-to-install racking



◆ DataSafe HX

AGM VRLA · 12 V and 16 V monoblocs; 23–1000 W/cell (15 min to 1.67 Vpc)

DataSafe HX batteries are high-rate AGM valve-regulated monoblocs for UPS and IT systems. They use lead-calcium-tin alloy plates and are rated for a 10-year design life at 25 °C. Cases are flame-retardant UL94 and meet UL 1778, and the range is UL 1973 safety...

- ◆ Built for high discharge rates in UPS duty
- ◆ 10-year design life at 25 °C
- ◆ 100% initial capacity



◆ DataSafe XE

AGM VRLA · 12 V monoblocs; 763–1150 W/cell (5 min to 1.67 Vpc)

DataSafe XE batteries are TPPL valve-regulated monoblocs optimised for UPS runtimes under five minutes in large and hyperscale data centres. EnerSys rates them for a 12-year design life and up to 17 months shelf life at 25 °C. They come in front- and top-terminal...

- ◆ Thin Plate Pure Lead (TPPL) technology
- ◆ 12-year design life at 25 °C
- ◆ Fast recharge to support multiple outages

◆ LEAD-ACID BATTERIES (SLA / VRLA) · EXIDE · 1 / 2

Exide



◆ Sonnenschein A400

GEL VRLA · 6 V and 12 V blocks; 5.5–180 Ah (C10)

Sonnenschein A400 gel (dryfit) monoblocs are designed for long-life stationary energy storage. They use thick lead-calcium grid plates and are proof against deep discharge. Exide gives a 15-year design life for blocks of 20 Ah and above (12 years below 20 Ah), an...

- ◆ dryfit gel VRLA technology, maintenance-free
- ◆ Up to 15-year design life (EUROBAT >12 years, very long life)
- ◆ Proof against deep discharge



◆ Sonnenschein A500

GEL VRLA · 2–12 V blocks; 1.2–200 Ah (C20)

Sonnenschein A500 is a range of gel (dryfit) monoblocs that Exide says has been in use for over 30 years. The batteries use lead-calcium grid plates designed for energy density, are proof against deep discharge, and are rated 10–12 years (EUROBAT long life). They suit...

- ◆ dryfit gel VRLA technology, maintenance-free
- ◆ Design life 10–12 years (EUROBAT long life)
- ◆ Proof against deep discharge



◆ Sonnenschein A600

GEL VRLA · 6/12 V blocks and 2 V cells (OPzV); 100–3286 Ah (C10)

Sonnenschein A600 is Exide's OPzV gel range, with tubular positive plates in 2 V cells (DIN 40742) and 6/12 V blocks (DIN 40744). Exide rates it for 20 years design life for cells and 15 years for blocks at 20 °C. The batteries are non-spillable, can be mounted horizontally, an...

- ◆ Design life 20 years (cells) / 15 years (blocks) at 20 °C
- ◆ dryfit gel VRLA technology, no topping-up
- ◆ Strong tubular plate design



◆ Sonnenschein A600 SOLAR

GEL VRLA · 2 V cells; 294–3919 Ah (C120)

Sonnenschein A600 SOLAR is a tubular-plate gel cell range developed for applications that cycle every day, such as solar and off-grid telecom power. Exide quotes 3000+ cycles at 60% depth of discharge with IUI charging at 20 °C (2400 cycles with IU charging). The ce...

- ◆ 3000+ cycles at 60% DoD (C10) with IUI charging
- ◆ dryfit gel VRLA technology
- ◆ Strong tubular plate technology

◆ LEAD-ACID BATTERIES (SLA / VRLA) • EXIDE • 2 / 2

Exide



◆ Classic OPzS

Flooded • 2 V cells and 6/12 V blocks; 50–3350 Ah (C10), up to 12,000 Ah on request

Classic OPzS batteries are vented lead-acid cells and blocks with tubular positive plates and transparent or translucent containers. Exide rates them for a 20-year design life at 20 °C. A low-antimony alloy and large electrolyte reserve keep maintenance low. They are...

- ◆ 20-year design life at 20 °C
- ◆ Tubular plates, in block and single-cell versions
- ◆ More capacity than standard DIN OPzS (optimised plates)



◆ Marathon L/XL

AGM VRLA • 2 V, 6 V and 12 V; 14–600 Ah

Marathon L/XL is an AGM valve-regulated range of 2 V cells and 6/12 V blocks, designed for telecom and electric utility systems that need medium and long discharges. It is rated >12 years (EUROBAT very long life), uses lead-calcium grid plates, and is maintenance-free fo...

- ◆ Design life >12 years (EUROBAT very long life)
- ◆ High-compression AGM, maintenance-free
- ◆ Wide range of capacities and voltages



◆ Marathon M-FT

AGM VRLA • 12 V front-terminal blocks; 35–200 Ah (C10)

Marathon M-FT is a 12 V front-terminal AGM range for telecom and utility systems with medium and long discharge times. It fits relay racks and cabinets and is rated for a 15-year design life (EUROBAT >12 years). The polypropylene case keeps its shape at higher...

- ◆ 15-year design life (EUROBAT >12 years)
- ◆ Front terminals for faster installation and maintenance
- ◆ Durable polypropylene case, flame-retardant option



◆ Sprinter P/XP

AGM VRLA • 6 V and 12 V blocks; 24–195 Ah; 791–4860 W (10 min)

Sprinter P and XP are compact high-rate AGM blocks designed for UPS and security systems that need high power over short discharge times. Exide rates them 10–12 years design life (EUROBAT long life). They are designed to IEC 60896-21/22 and UL approved.

- ◆ Excellent high-current performance for short discharges
- ◆ Design life 10–12 years (EUROBAT long life)
- ◆ Very short recharge time

◆ LEAD-ACID BATTERIES (SLA / VRLA) · RITAR · 1 / 2

Ritar



◆ RA Series

AGM VRLA · 6 V / 12 V, 33–260 Ah

RA is Ritar's general-purpose AGM VRLA battery with a 12-year float design life, built with high-purity materials to IEC, JIS and BS standards for dependable standby service. It is intended for UPS/EPS, medical equipment, emergency lighting and security systems.

- ◆ 12-year design life in float service (25 °C)
- ◆ AGM valve-regulated, maintenance-free construction
- ◆ Self-discharge $\leq 3\%$ per month



◆ HR Series

AGM VRLA · 6 V / 12 V high-rate, 16–850 W/cell (15-min rate)

The HR series is Ritar's high-rate AGM battery for heavy short-duration discharge, with 8–15 years design life in float service. Strong grids and special active material give around 30% more power than the standard range, making it suited to UPS/EPS and data-centre loads...

- ◆ About 30% more power output than the standard range
- ◆ 8–15 year design life in float service
- ◆ High-pressure AGM separator for low internal resistance



◆ FT Series (Front Terminal)

AGM VRLA · 12 V, 55–200 Ah

FT is Ritar's front-terminal AGM battery designed for telecom use, with a 12-year float design life. A centralised venting system lets it be installed in any position, and its slim dimensions fit 19" and 23" cabinets; it is also used for UPS/EPS.

- ◆ Front terminals for easy installation and maintenance
- ◆ Sized for 19" and 23" racks/cabinets
- ◆ 12-year design life in float service



◆ DC Series (Deep Cycle)

AGM VRLA · 2 V / 6 V / 12 V, 26–3000 Ah

Ritar's DC series is an AGM deep-cycle battery built for frequent cycling, using strong grids and special active material to deliver longer cycle life than the standby range. Design life is 12 years for 12 V blocks above 28 Ah and 20 years for 2 V cells; typical uses are solar...

- ◆ Longer cyclic life than standby series
- ◆ Design life 12 years (>28 Ah) / 20 years (2 V cells)
- ◆ Self-discharge $\leq 3\%$ per month

◆ LEAD-ACID BATTERIES (SLA / VRLA) · RITAR · 2 / 2

Ritar



◆ DG Series (Deep Cycle GEL)

GEL VRLA · 2 V / 6 V / 12 V, 26-3000 Ah

DG is Ritar's deep-cycle GEL battery for frequent charge/discharge in extreme environments, combining strong grids, high-purity lead and a patented gel electrolyte. It recovers well from deep discharge (400 cycles at 100% DOD) and has a 15-year (6/12 V) ...

- ◆ Patented gel electrolyte for deep-discharge recovery
- ◆ 400 cycles at 100% DOD
- ◆ Design life 15 years (6/12 V) / 20 years (2 V)



◆ OPzV (Solid-State Tubular GEL)

GEL VRLA · 2 V / 12 V, 160-3000 Ah

Ritar's OPzV range uses tubular positive plates and a fumed-silica (solid-state) gel electrolyte, built to DIN standards with die-cast positive grids. It offers a 20-25 year float design life and 3,500 cycles at 80% DOD (2 V), and is aimed at PV/wind storage, telecom...

- ◆ 20-25 year design life (float, 25 °C)
- ◆ 3,500 cycles at 80% DOD (2 V); 2,200 cycles (12 V)
- ◆ Maintenance-free, leak-proof solid-state gel electrolyte

◆ LEAD-ACID BATTERIES (SLA / VRLA) · ULTRACELL · 1 / 2

Ultracell

Ultracell®
"Quality in Every Language"


◆ UL General Series

AGM VRLA · 2–24 V, 0.8–3000 Ah

UL is Ultracell's original general-purpose AGM VRLA range, launched in 1999 and refined since, covering both standby and light cyclic use. It spans a very wide set of sizes and formats, with model design lives from about 5 to 15 years, and is sold in over 106 countries.

- ◆ Maintenance-free sealed VRLA construction
- ◆ Suitable for standby and light cyclic use
- ◆ Stable, consistent voltage output



◆ UXL Long Life Series

AGM VRLA · 2 / 6 / 12 V, 4.5–3000 Ah

UXL is Ultracell's long-life AGM VRLA range for projects where endurance matters, with design lives of 12 years for monoblocs and up to 20 years for 2 V cells. It is maintenance-free and intended for standby and cyclic duty in utilities, telecom and infrastructure.

- ◆ Extended service life (12–20 year design life)
- ◆ Maintenance-free sealed construction
- ◆ Stable voltage and capacity retention



◆ UHR High Rate Series

AGM VRLA · 2 / 6 / 12 V, 2.2–1000 Ah

UHR is Ultracell's high-rate AGM VRLA range, engineered with enhanced lead plates for fast, stable discharge into UPS and critical backup loads. Spec tables list 15-minute watt ratings per cell alongside Ah, with design lives of about 5 to 16 years depending on model.

- ◆ Engineered for rapid, high-rate discharge
- ◆ Plates designed to maximise conductivity
- ◆ Maintenance-free sealed VRLA



◆ UCG Hybrid GEL Series

GEL VRLA · 2 / 6 / 12 V, 5–3000 Ah

UCG is Ultracell's hybrid VRLA range combining AGM separators with a gelled electrolyte to balance deep-cycle strength with charge efficiency. It is aimed at renewable, off-grid and industrial cycling duty, with model design lives of about 10 to 17 years.

- ◆ Hybrid design: AGM reliability with gel cycling capability
- ◆ Optimised for repeated deep discharge/recharge
- ◆ Maintenance-free sealed construction

◆ LEAD-ACID BATTERIES (SLA / VRLA) · ULTRACELL · 2 / 2

Ultracell

Ultracell®
 "Quality in Every Language"



◆ UFT Front Terminal Series

AGM VRLA · 12 V front-terminal, 40–240 Ah

UFT is Ultracell's 12 V front-terminal AGM range designed for cabinet and rack systems, giving easy access for installation and inspection. It is maintenance-free and widely used in telecom, utilities and other critical infrastructure.

- ◆ Front-terminal layout for easy installation and inspection
- ◆ Space-saving format for racks and enclosures
- ◆ Maintenance-free, spill-proof VRLA



◆ UZV Tubular GEL (OPzV) Series

GEL VRLA · 2 / 6 / 12 V, 60–3500 Ah

UZV is Ultracell's OPzV range, pairing tubular positive plates with an immobilised gel electrolyte for deep-cycle capability and long service life (20-year design life). It is maintenance-free and aimed at renewable storage, telecom and utility systems that need...

- ◆ Tubular plates with gel electrolyte for superior cycling
- ◆ 20-year design life
- ◆ Stable capacity through repeated deep cycling

◆ LEAD-ACID BATTERIES (SLA / VRLA) · CHLORIDE

Chloride

CHLORIDE



◆ Powersafe VA Series

AGM VRLA · 4 V / 6 V / 12 V, 1.3–260 Ah (C20)

Chloride Powersafe VA is a sealed AGM VRLA monobloc range (with a GEL 'VG' option) built to IEC 60896-21/22, with a design life of 10+ years. It uses lead-tin-calcium radial grids and an ABS case (UL94 V0 optional) and is aimed at UPS, telecom, solar and transmission &...

- ◆ Design life 10+ years
- ◆ Complies with IEC 60896-21 and -22
- ◆ Sealed AGM construction, maintenance-free, with GEL option



◆ Powersafe 2VB Series

AGM VRLA · 2 V cells, 100–3000 Ah (C10)

The Powersafe 2VB range is Chloride's 2 V AGM VRLA cell (GEL '2VG' option) for large stationary battery banks, with a design life of 20+ years. It supports both float and cyclic charging regimes and is built to IEC 60896-21/22 for telecom, UPS and solar systems.

- ◆ Design life 20+ years
- ◆ Complies with IEC 60896-21 and -22
- ◆ Suitable for float and cyclic operation



◆ Powersafe VC Front Access Series

AGM VRLA · 12 V front-terminal, 55–170 Ah (C10)

Powersafe VC is Chloride's 12 V front-access AGM VRLA battery (GEL 'VG F' option) for rack and cabinet installations, with a design life of 12+ years. Front terminals simplify installation and maintenance in telecom and UPS cabinets; it is built to IEC 60896-21/22.

- ◆ Design life 12+ years
- ◆ Front-access terminals for rack/cabinet installation
- ◆ Complies with IEC 60896-21 and -22

◆ BATTERIES · 03.2

Nickel-cadmium batteries (Ni-Cd)

SAFT · ALCAD

Nickel-cadmium for critical DC

Saft and Alcad nickel-cadmium cells and blocks for long service life in critical DC systems — from standby power to solar.

- ◆ 20+ years of service (Saft)
- ◆ Saft Uptimax & SBLE / SBM / SBH
- ◆ Alcad pocket-plate & Vantex
- ◆ Alcad Solar for PV



8 products



◆ NICKEL-CADMIUM BATTERIES (NI-CD) · SAFT

Saft



◆ **SBLE / SBM / SBH**

The broadest nickel battery range in the world Saft SBLE, SBM and SBH ranges of blo...



◆ **Uptimax**

♦ NICKEL-CADMIUM BATTERIES (NI-CD) • ALCAD • 1 / 2

Alcad

 Reliability inside
ALCAD


♦ Single Cell MC/MB

Ni-Cd · 1.2 V pocket-plate Ni-Cd cells, 9–1440 Ah

The MC/MB range is Alcad's medium-rate pocket-plate nickel-cadmium cell, sized for loads lasting roughly 30 minutes to 3 hours or for mixed high/low-rate duty cycles. It suits frequent or occasional discharges and is typically used for switchgear tripping and genera...

- ♦ Long life: 20+ years
- ♦ Resistance to electrical abuse
- ♦ Resistance to shock and vibration



♦ Single Cell LCE/LB

Ni-Cd · 1.2 V pocket-plate Ni-Cd cells, 10–1690 Ah

LCE/LB is Alcad's high-energy pocket-plate Ni-Cd cell, built with the thickest plates in the range to deliver a reliable source of energy over long, relatively low-current discharges. Discharges are usually infrequent, making it a fit for power backup, communications and...

- ♦ Long life: 20+ years
- ♦ Resistance to electrical abuse
- ♦ Resistance to shock and vibration



♦ Single Cell HC/HB

Ni-Cd · 1.2 V pocket-plate Ni-Cd cells, 9–920 Ah

HC/HB is Alcad's high-power pocket-plate Ni-Cd cell, using very thin plates to deliver high currents over short periods, usually under 30 minutes. It handles frequent or infrequent discharges and is typically specified for engine starting and UPS duty, with a 20+ year life...

- ♦ Long life: 20+ years
- ♦ Resistance to electrical abuse
- ♦ Resistance to shock and vibration



♦ Vantex

Ni-Cd · 1.2 V maintenance-free pocket-plate Ni-Cd cells, 8–1700 Ah

Vantex is Alcad's maintenance-free pocket-plate Ni-Cd range (no water topping-up under recommended conditions) for stationary industrial backup in oil & gas, utilities and manufacturing. A single-level 1.39 V/cell charge gives a narrow DC voltage window that...

- ♦ Maintenance-free: no water addition over service life
- ♦ Narrow voltage window (1.39 V/cell single-level charge)
- ♦ Fast recharge

◆ NICKEL-CADMIUM BATTERIES (NI-CD) • ALCAD • 2 / 2

Alcad

Reliability inside

ALCAD


◆ Solar (PV)

Ni-Cd • 1.2 V Ni-Cd cells, 100–1830 Ah (C120)

Alcad's Solar Ni-Cd range is purpose-built for stand-alone photovoltaic and hybrid systems in remote, hostile locations where charging is irregular. It runs at any state of charge, reaches a high state of charge without boost or reconditioning charges, and is rated for...

- ◆ 10,000 cycles at 15% depth of discharge
- ◆ Purpose-built for stand-alone hybrid systems
- ◆ Operates at any state of charge



◆ XHP

Ni-Cd • 1.2 V sintered/PBE Ni-Cd cells, 11–320 Ah

XHP is Alcad's extra-high-power Ni-Cd cell, combining sintered positive plates, plastic-bonded negative plates and thin separators for very efficient high-rate discharge. It is aimed at vital UPS, engine starting and emergency backup duties that need guaranteed instant...

- ◆ Extremely long life
- ◆ Reliability in all conditions
- ◆ Fast recharge

◆ GET IN TOUCH

Need help choosing the right equipment?

Send us your load, site and runtime requirements and our engineers will recommend the right solution. Full specifications and brochures are on www.01electronics.net/products.



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