

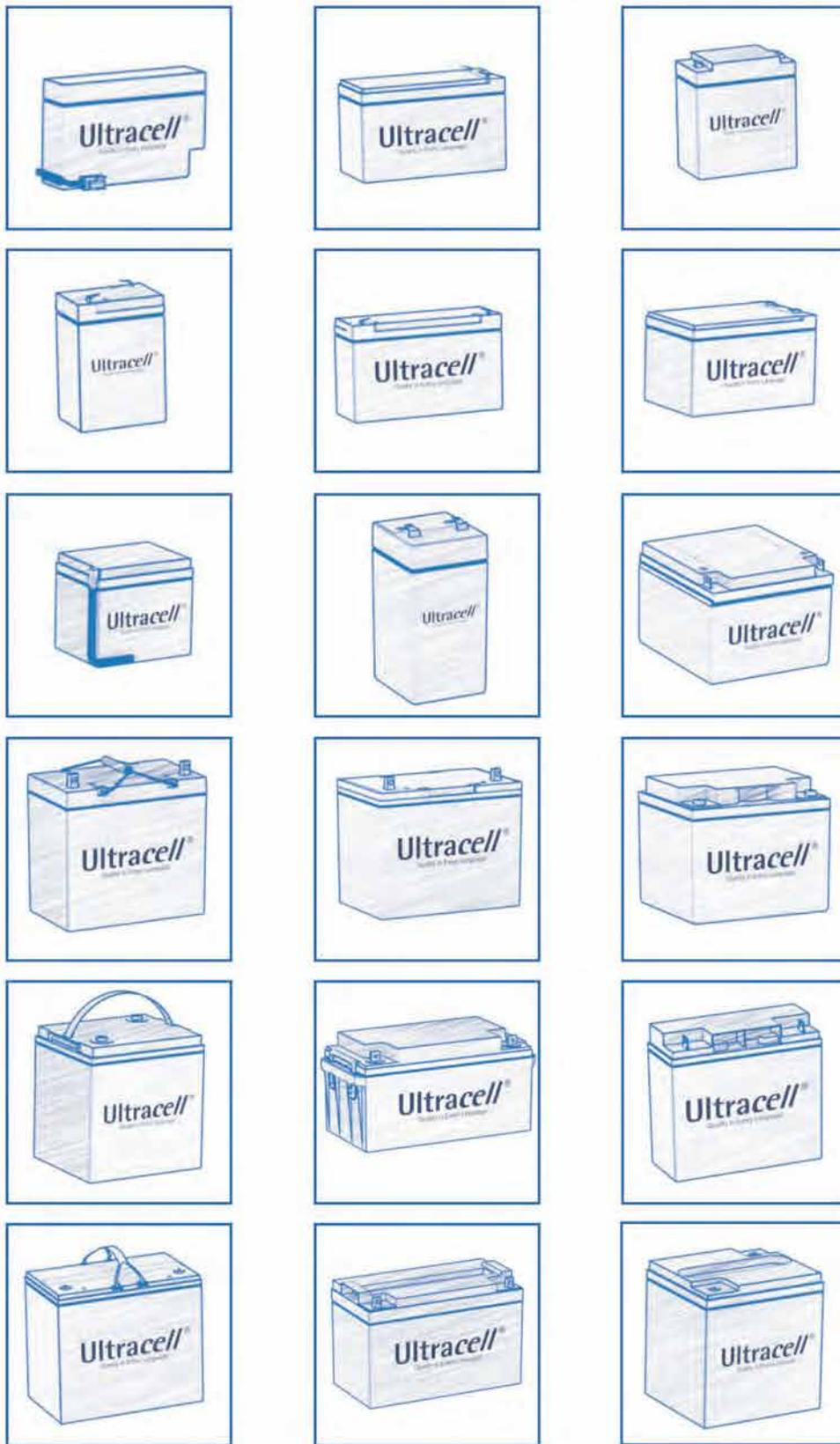
SALES BROCHURE

2023

Providing high quality
products with
exceptional service

Ultracell[®]

'Quality in Every Language'



“Combined experience of over 60 years in the battery industry”

Ultracell (UK) Ltd
Vesty Business Park
Vesty Road
Liverpool
L30 1NY
United Kingdom

 info@ultracell.co.uk
 www.ultracell.co.uk
 +44 (0)151 523 2777
 +44 (0)151 523 0855
 Meetings available

© 2023 Ultracell (UK) Limited.
All rights reserved.

CONTENTS

PAGE

		+		
		2	Who we are	
UL		3	UXL	
UC		4	UCG	
UG		5	UHR	
UFT		6	UFTG	
OPzV		7	OPzS	
EV		8	UHT	
UFTHT		9	LIT	
ULC		10		
		-		

WHO WE ARE

Located in the heart of Liverpool, UK. Ultracell was established in 1999 and we are proud to have recently celebrated our 21st anniversary.

Here at Ultracell, we have a combined experience of over 60 years in the battery industry, building a long-established and continually growing client base. We are proud to provide the highest standard of customer service for all our customers. We export globally to over 80 countries across Europe, USA, South America, Central America, Middle East and Africa.

We are committed to providing high quality, cost-effective batteries, and exceptional customer service. We believe our market expects a continually improving service. Therefore we pride ourselves on our flexibility and ability to act quickly in bringing new industry-leading products to the global market.

One of our unique qualities is that we offer continuous, professional support through our team of experienced advisors and our extensive global distribution networks. Customers are provided with technical, marketing and promotional literature in their own language, translated by our multi-lingual in-house marketing and design department.

UL SERIES GENERAL

The UL series of sealed lead-acid batteries have been designed with AGM (Absorbent Glass Mat) technology to ensure superior performance and reliability. Our UL batteries use oxygen recombination technology, ensuring the batteries are totally sealed, non-spillable and maintenance-free.

Applications

Security Alarm Systems,
Medical Equipment, Emergency Lighting,
Economic UPS Solution

Voltages

2V, 4V, 6V, 8V, 12V, 24V

Features

- General-purpose VRLA battery.
- Absorbent Glass Mat (AGM) technology for superior performance.
- Power and Volume ratio yielding with unrivalled energy density.
- VdS approved models.
- Valve regulated, non-spillable construction allows safe operation in any orientation.
- Robust impact resistant ABS case. Optional flame retardant case available up to UL94:VO.
- Low self-discharge rate for a longer shelf life.
- Minimal water loss and no electrolyte stratification.



UXL SERIES LONG LIFE

The UXL series of sealed lead-acid batteries have a special grid alloy using only high purity raw materials to ensure low gassing and low self-discharge. Our vent value design controls water loss and also prevents air from entering the battery.

Applications

UPS, Signal System, Marine Power Stations,
Security Systems, Telecommunications

Voltages

2V, 6V, 12V

Features

- Special grid alloy and high purity raw materials to ensure less gassing.
- Less self-discharging.
- Grid refining technology and thicker plates are used to extend the battery standby life and reduce the plate grid corrosion speed.
- Lower acid density, more electrolyte and increased distance between plates to keep the battery at a low temperature.
- Valve regulated, non-spillable construction allows safe operation in any orientation.
- Robust impact resistant ABS case. Optional flame retardant case available up to UL94:VO.
- Minimal water loss and no electrolyte stratification.



UC SERIES DEEP CYCLE

The UC series of sealed lead-acid batteries have a special paste formula for longer cycle life. The high-quality AGM separator, extends cycle life and prevents short circuits.

Applications

Electric Tools, Mobility Devices,
Lawn Mowers, Childrens Ride-on Toys,
Solar, Renewable energy

Voltages

6V, 12V

Features

- Special grid alloy and high purity raw materials to ensure less gassing and less self-discharging.
- Grid refining technology and thicker plates are used to extend the battery standby life and reduce the plate grid corrosion speed.
- Excellent recovery performance after deep discharge.
- Lower acid density, more electrolyte and increased distance between plates to keep the battery at a low temperature and slow down the speed of plate grid corrosion.
- Valve regulated, non-spillable construction allows safe operation in any orientation.
- Robust impact resistant ABS case. Optional flame retardant case available up to UL94:VO
- Minimal water loss and no electrolyte stratification.



UCG SERIES SOLAR

The UCG series have a longer discharge time compared to other batteries. The plate design increases the cycle life of the battery especially in warmer temperatures. Increased number of plates within the battery boost its performance.

Applications

Solar, Renewable Energy, Leisure,
Caravanning

Voltages

2V, 6V, 12V

Features

- Less self-discharge.
- Special plate design ensures long cycle life.
- Using special Pb-Ca alloy to boost the grids anti-corrosive performance and extend lifetime.
- Excellent recovery performance after deep discharge.
- Robust impact resistant ABS case. Optional flame retardant case available up to UL94:VO.
- Special grid alloy and high purity raw materials ensure less gassing and less self-discharging.
- Thin grid design provides high performance while ensuring long service life.



UG SERIES PURE GEL

The UG series of batteries are a maintenance free battery that features a valve to regulate gas and water loss. With a long design life and storage time these batteries work well for back up power.

Applications

Telecommunication Back Up, Fire Alarm Systems,
Power Plants, Medical Equipment

Voltages

2V, 12V

Features

- Special plate design ensures long cycle life.
- Long storage time.
- Excellent recovery performance after deep discharge.
- Minimal water loss and no electrolyte stratification.
- Robust impact resistant ABS case. Optional flame retardant case available up to UL94:VO.
- Special separator boosts the batteries performance inside.
- High thermal capacity, performs well in varying operating conditions.



UHR SERIES HIGH RATED UPS

The UHR Series features silver-coated terminals, which improve conductivity. To optimize high rate performance, a paste formula has been applied to the plate technology. This series also features high-quality AGM separators with less electrical resistance to improve high current discharging properties.

Applications

High Rate UPS, High Power Backup,
Power Tools, Emergency lighting

Voltages

2V, 6V, 12V

Features

- Silver-coated copper terminals, brass insert terminals and lead terminals improve conductivity.
- Thin plate technology, special grid design, unique paste formula and plate curing process optimize high rate performance.
- High-quality AGM separators with less electrical resistance improve high current discharging properties.
- Robust impact resistant ABS case, Optional flame retardant available up to UL94:VO case.
- Special grid alloy and high purity raw material ensure less gassing, less self-discharging.
- Minimal water loss and no electrolyte stratification.



UFT SERIES FRONT TERMINAL

The UFT series batteries are designed with front terminals, and are more specifically designed for 19 or 23 inch power cabinets. The front terminal makes installation and maintenance easy. The valve design reduces water loss and will release excess gas improving battery safety.

Applications

Telecom Equipment, Network UPS,
Standby, Power Station Systems

Voltages

12V

Features

- Suitable for 19 / 23 inch power cabinets.
- Front terminals make installation, maintenance and supervision easy.
- Shield covers protect terminals from short circuit.
- Integrated valve design reduces water loss, acid fog and improves safety and performance.
- Thin grid design provides high performance while ensuring long service life.
- Robust impact resistant ABS case. Optional flame retardant case available up to UL94:VO.
- Special grid alloy and high purity raw material ensure less gassing and less self-discharging.



UFTG SERIES FRONT TERMINAL GEL

The UFT series batteries are designed with front terminals, and are more specifically designed for 19 or 23 inch power cabinets. The front terminal makes installation and maintenance easy. The valve design reduces water loss and will release excess gas improving battery safety.

Applications

Telecom Equipment, Network UPS,
Standby, Power Station System

Voltages

12V

Features

- Suitable for 19 / 23 inch power cabinets.
- Front terminals make installation, maintenance and supervision easy.
- Shield covers protect terminals from short circuit.
- Integrated valve design reduces water loss, acid fog and improves safety and performance.
- Thin grid design provides high performance while ensuring long service life.
- Excellent recovery performance after deep discharge.
- Minimal water loss and no electrolyte stratification.
- Robust impact resistant ABS case. Optional flame retardant case available up to UL94:VO.
- Special grid alloy and high purity raw material ensure less gassing and less self-discharging.



OPzV SERIES TUBULAR GEL

The OPzV series of tubular gel batteries have a special grid alloy using only high purity raw material ensuring low gassing and low self-discharging. Our vent value design controls decreased water loss and also prevents air from entering the battery.

Applications

Telecommunications, Emergency Lighting,
Power stations, Alternate Power, UPS,
Solar, Renewable Energy

Voltages

2V, 6V, 12V

Features

- Excellent recovery performance after deep discharge.
- High capacity.
- AMER-SIL separator. High porosity, PVC-SiO₂ and low resistance.
- Wide working temperature range (-20 ~ 55°C).
- No electrolyte stratification, provides longer service life.
- Pasted negative plate grid design increasing the active material of the battery to enable large current discharge and charge capability.
- Robust tubular positive plates consisting of multi metal alloy, optimized for high corrosion resistance and service life.
- Built-in copper core lead-base terminal post is corrosion resistant and carries a stronger current.



OPzS SERIES FLOODED TUBULAR

The OPzS series features a long service life in continuous operation. Due to the antimony free alloys used, this series features low gassing. Space and room requirements are minimal. Easy to move, easy to install and ready for immediate use without further commissioning.

Applications

Telecommunications, Emergency Lighting,
Power Stations, Alternate Power,
Solar, Renewable Energy

Voltages

2V, 6V, 12V

Features

- High capacity.
- Long lifetime with low self-discharge.
- Reduced maintenance and quick and simple acid level control.
- Wide working temperature range (-20 ~ 55°C)
- Economical water consumption.
- Built-in copper core lead-base terminal post is corrosion resistant and carries a stronger current.
- AMER-SIL separator. High porosity, PVC-SiO₂ and low resistance.



EV SERIES

ELECTRIC VEHICLE AND GOLF

The EV series of batteries features a special valve-regulated maintenance-free design. They are equipped with a safety valve which includes an acid moisture filtration device. These batteries are suitable for golf carts, electric vehicles, AWP, RV, marine renewable energy and commercial truck applications.

Applications

DC Equipment, Electric Vehicles,
Golf Carts, Eco Cars, Trikes



Voltages

6V, 8V, 12V

Features

- A maintenance-free VRLA battery, no need to add water or acid during application.
- Minimal water loss and no electrolyte stratification.
- High performance for large current discharge.
- Safe & reliable.
- Mixture of carbon additives to the negative active material increases the performance of charging acceptance and optimizes charging and fast charging capability.
- Excellent recovery performance after deep discharge.

UHT SERIES

HIGH TEMPERATURE

The UHT series is designed for high-temperature environments, saving energy and assisting in decreasing carbon emissions while offering increased temperature range and service life.

Applications

Communications Base Station Without Air Conditioning,
Hybrid Telecom Base Stations, Electric Power Systems,
Back Up Applications, Renewable Energy & Solar Sites



Voltages

2V, 12V

Features

- Special grid alloy and high purity raw material ensure less gassing, less self-discharging.
- Special high temperature paste formula, the active material has increased reactive efficiency under high and low temperature environments.
- Lower acid density, more electrolyte and increased distance between plates to keep the battery at a low temperature also slow down plate grid corrosion speed.
- High temperature resistant sealing agent will not crack or leak under extreme operational temperatures.
- Valve regulated, non-spillable construction allows for safe operation in any orientation.
- Increased charging acceptance ability and less heat production for safe use under high temperatures.
- Robust impact resistant ABS case. Optional flame retardant case available up to UL94:VO.

UFTHT SERIES FRONT TERMINAL HIGH TEMPERATURE

The UFTHT Series use front terminals to provide easy installation and maintenance. This series is specifically designed for 19 or 23 inch power cabinets. This series is designed for high-temperature environments, saving energy and assisting in decreasing carbon emissions while offering increased temperature range and service life.

Applications

Communications Base Station Without Air Conditioning, Hybrid Telecom Base Stations, Electric Power Systems, Back Up Applications, Renewable Energy & Solar Sites

Voltages

12V

Features

- Special grid alloy and high purity raw material ensure less gassing, less self-discharging.
- Special high temperature paste formula, the active material has increased reactive efficiency under high and low temperature environments.
- Lower acid density, more electrolyte and increased distance between plates to keep the battery at a low temperature also slow down plate grid corrosion speed.
- High temperature resistant sealing agent will not crack or leak under extreme operational temperatures.
- Valve regulated, non-spillable construction allows for safe operation in any orientation.
- Increased charging acceptance ability and less heat production for safe use under high temperatures.
- Robust impact resistant ABS case. Optional flame retardant case available up to UL94:VO.



LIT SERIES LITHIUM

The LIT LiFePO₄ series consists of lithium iron phosphate and offer up to 20 times longer cycle life and 5 times float life than lead acid batteries, minimising replacement cost and reducing total cost of ownership.

Applications

Electric Vehicles, Medical Equipment, Telecommunications, Storage Systems, Solar & Renewable Energy

Voltages

12V, 24V, 48V

Features

- Environmentally-friendly. Does not contain heavy metals.
- Lighter weight, about 40% of the weight of a comparable lead-acid battery. A 'drop-in' replacement for lead-acid batteries.
- Low self-discharge rate (per month): $\leq 2\%$, no memory effect.
- Capable of a high discharge rate while maintaining high energy capacity delivering twice the power of lead acid batteries.
- Superior safety, lithium iron phosphate chemistry eliminates the risk of explosion or combustion due to impact, overcharging or short circuit situation.
- Wide operating temperature range (-20 ~ 60°C) and good high-temperature performance.



ULC SERIES LEAD CARBON

The ULC series battery is designed for reliable and safe power supply options. The ULC range features a robust design to ensure professional service. Available as lead carbon, integrated gel & AGM technology and pure lead carbon.

Applications

New Energy Storage Systems, Power Storage, Supply Systems, Data Center, Intelligent Grid, Micro-grid System, Outdoor Base Stations

Voltages

2V, 12V

Features

- Adopts super carbon technology.
- Excellent discharge characteristics.
- Minimal water loss and no electrolyte stratification.
- Excellent charging characteristics, including super fast charge.
- Innovative robust design to ensure safe and reliable power supply.
- Long cycle life and deep cycle technology.
- Excellent shelf life, and design life.
- Front terminals make installation, maintenance and supervision easy.
- Shield covers protect terminals from short circuit.
- Easy installation and maintenance.
- Valve regulated, non-spillable construction allows safe operation in any orientation.
- Robust impact resistant ABS case. Optional flame retardant case available up to UL94:VO.



Ultracell®

'Quality in Every Language'

Ultracell (UK) Ltd
Vesty Business Park
Vesty Road
Liverpool
L30 1NY
United Kingdom

 info@ultracell.co.uk
 www.ultracell.co.uk
 +44 (0)151 523 2777
 +44 (0)151 523 0855
 Meetings available