CELL POWER Reliable energy

Batteries & accessories



Cellpower

More than a decade of reliable quality

More than 10 years ago, Cellpower was incorporated and from day one we have had one main objective - delivering reliable energy. A battery shouldn't be a cause of concern, it should just work.

That applies to more than just the battery, as any power system is only as reliable as its weakest link. Therefore Cellpower has spent the last years working on a broad spectrum of perfectly matched, reliable accessories. An end user can put a solid power system together, where every component is a reliable Cellpower product. Favourable warranty conditions endorse this quality.

These days Cellpower is one of the major players in the European battery market. Stringent quality checks and careful selection and testing of distributors contribute to that position. This process guarantees that end users can rely on a sound product.

Continuous innovation

Because technology never stops

During the decade that Cellpower has been active in the battery market, the range has been expanded and innovated enormously. For example, a number of battery series and their corresponding accessories have been added since we started in 2006.

Technology never stops and new developments succeed each other at exponential rates. Cellpower moves with the innovations without losing sight of quality. With continuous innovation and by constantly adding new products to the range, Cellpower is able to offer reliable products for increasingly diverse energy needs.





Cellpower's launch with the CP, CPL, CPH, CPC, CPG and CPS battery series



Cellpower range expanded with essential accessories for energy systems



Introduction of intelligent total solutions for topping up batteries in Euro 5/6 vans



Introduction of CLN Lithium NMC series. Unrivalled cyclic performance in compact housing

2006

Introduction of the CPX Extreme cyclic battery series and the CPW Watt Long life battery series Introduction of customised Lithium-Iron batteries with the Cellpower CLPL series Introduction of vibration resistant CPR battery series with a lifespan of up to 15 years Introduction of Lead-Carbon battery technology with the cyclic Cellpower CPXC series

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The Cellpower quality guarantee

Cellpower Green Innovation

Cellpower strives for a better environment. In order to achieve this, Cellpower imposes stringent requirements on the production methods in our factories. For example, all manufacturers are at least ISO 14001 and ISO 9001 certified and waste and residual materials are disposed of properly. In order to guarantee this quality, Cellpower itself inspects the assembly lines on a regular basis, paying attention to proper working conditions for staff too. To contribute to a better world, Cellpower sponsors projects in developing areas.

Quality control

Cellpower understands that the quality of our products is crucial to the reliable operation of your application. Therefore Cellpower checks that all our products comply with high quality requirements. If they do not, they will not be delivered. It means that the user is certain to have a high quality product. For the warranty conditions, please visit www.cellpowerbatteries.com.





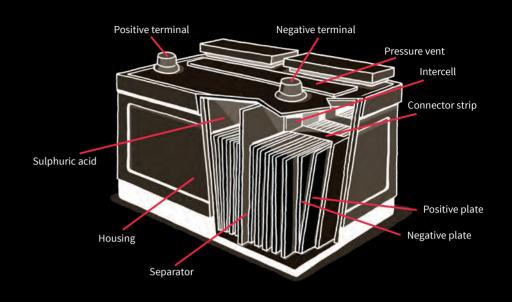




Battery technology

An appropriate set-up for every application

Cellpower batteries have common advantages; they do not leak, they do not require maintenance, they can be discharged in any position and have a low self-discharge. Cellpower batteries are available in five different chemical compositions - AGM, Gel, Lead-Carbon, Lithium NMC and Lithium Iron. They all have their own unique characteristics.





AGM

- + Low in purchase
- + High peak current
- + Relatively high capacity
- Relatively big
- Relatively heavy



Gel

- + Better resistant to deep discharge
- + Resistant to high temperatures
- + Shock resistant
- Relatively limited capacity
- Low peak current



Lithium NMC

- + Very good cyclic performance (1800 cycles)
- + Compact and lightweight
- + Better resistant to extreme temperatures
- + Low costs over lifespan
- High in purchase



Lead-Carbon

- + Excellent cyclic performance (3500 cycles)
- + Resistant to deep discharge
- + Relatively low in purchase
- + Suitable for fast charging
- Relatively limited capacity



Lithium Iron

- + Extreme cyclic performance (6000 cycles)
- + Compact and lightweight
- + Better resistant to extreme temperatures
- + Low costs over lifespan
- High in purchase

Product colours

The Cellpower rainbow represents the broad spectrum of products offered by Cellpower. Everything you need for a reliable battery system can be supplied by Cellpower. It means you are guaranteed to have a properly operating system, where all the parts are perfectly matched. The Cellpower product series each have their own colour to ensure you can see immediately which type of product you have.

General purpose battery series

Red:

General-purpose battery series are recognised by the red colour on corresponding the sheets and/ data or the red print or sticker on the battery itself.



CP series

Stand-by battery series

Green:

Battery series with a long lifespan are recognised by the green colour on the corresponding data sheets and/or the green print or sticker on the battery itself.







CPW series

CPL series



CPR series





CPF series **CPS** series

Standard Lithium battery series

Cyclische battery series

Blue:

series for Battery cyclic use are recognised by the blue colour on the corresponding data sheets and/or the blue print or sticker on the battery itself.





CPG series



CPXC series

Orange:

Battery series with Lithium are recognised bν the orange colour on the corresponding data sheets.





CLN series **CLPL** series

Professional Custom-made Lithium

Yellow:

Professional custom-Lithium made batteries are recognised by the orange colour on the corresponding data sheets.



Battery packs for emergency lighting

Light green:

Battery packs for emergency lighting are recognised by the light green colour on the corresponding data sheets.



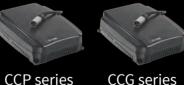
NiMH packs NiCd packs Lithium packs

Battery chargers

Light blue:

Battery chargers and their corresponding accessories are recognised by the light blue colour on the corresponding data sheets.







CCL series

Accessories

Purple:

Accessories for batteries, battery chargers and battery systems are recognised by the purple colour on the corresponding data sheets.









Euro 5/6 separators solutions



Battery guards Battery monitors







Battery testers

And more...

Cellpower cyclic battery series

When it comes to excellent cyclic performance, the Cellpower cyclic battery series are unbeatable. Whether they are used to drive a mobility scooter, in an off-grid power system or on an electric boat, Cellpower's batteries provide unrivalled reliability. Cellpower's cyclic batteries are available in five different technologies - AGM, Gel, Lead-Carbon, Lithium NMC and Lithium Iron. Each has its own unique properties, ensuring that there is a suitable cyclic Cellpower battery for almost every application.

Cyclic battery series

	Technology	Number of cycles	Capacity	Peak discharge current	Charge speed	Deep discharge	Self discharge*	Temperature resistance	Purchase price**	Total costs over lifespan***
СРС	AGM	600	• •	• • •	• •	• •	•	•	••••	• •
СРХ	AGM	800-1000	• • • •	• • • •	• • •	• • •	•	•	• • • •	• • •
CPG	Gel	1000	• •	•	•	• • • •	• •	• • •	•••	• • •
CPT	AGM	1200	• • •	• • • •	• •	• • • •	• •	•	• • •	• • • •
CLN	Lithium NMC	1800	• • • • •	••••	••••	••••	•••	• • • •	• •	• • • •
СРХС	Lead-Carbon	3500	• • •	• • •	• • • •	• • • •	• •	• • •	• • • •	• • • • •
CLPL	Lithium Iron	6000	• • • •	• • • •	• • • •	• • • •	• • •	• • • • •	•	• • • •

^{*:} A higher score means lower self-discharge















CPC (600 cycles)	CPX (800-1000 cycles)	CPG (1000 cycles)	CPT (1200 cycles)	CLN (1800 cycles)	CPXC (3500 cycles)	CLPL (6000 cycles)
Page 11	Page 12	Page 13	Page 14	Page 15	Page 16	Page 17

^{**:} A higher score means a lower purchase price

^{***:} A higher score means lower total costs over lifespan

Cellpower CPC series

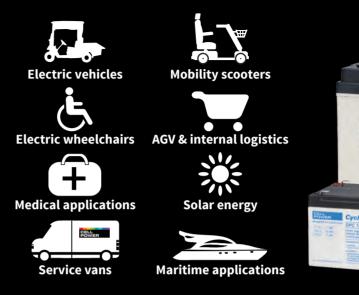
Cyclic AGM battery series (600 cycles)

The Cellpower CPC series has been developed specifically for cyclic use. CPC batteries are ideal for use in applications where they are discharged and charged regularly and intensively. Examples of such applications include mobility scooters, electric wheelchairs and electric vehicles. Those types of applications demand powerful performances from the battery.

The travel range needs to maximised, whilst the power source has to remain compact and easy to install. A stable power output and durability are equally important, as is the opportunity to recharge the battery quickly - these are properties where the Cellpower CPC batteries score extremely high.

Years of continued development have turned the CPC series into one of the most commonly used and reliable cyclic AGM battery series in the market.

Overview of CPC range on page 39



Number of cycles Cellpower CPC Cyclic AGM battery series

Cyclic Series

12V, 110Ah



Cellpower CPX series

Extreme cyclic AGM battery series (800-1000 cycles)

The Cellpower CPX series has been developed specifically for extreme cyclic use. Compared to other cyclic AGM batteries of similar dimensions, a Cellpower CPX battery achieves up to 30% more cycles. CPX batteries are extremely tough thanks to the most modern production technologies. This guarantees maximum reliability under the most challenging conditions.

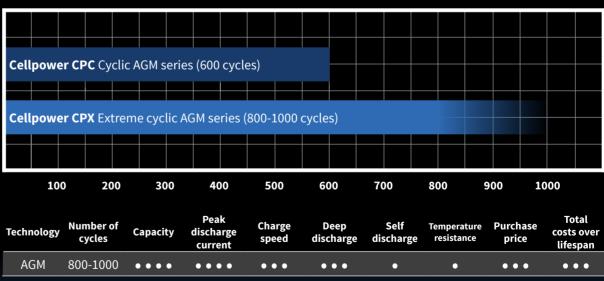
CPX batteries can be charged and discharged often and intensively, ensuring they are a suitable source of power for a broad range of applications. Due to their low self-discharge, Cellpower CPX batteries are particularly suitable for mobile applications that need to operate independently for longer periods of time.

The Cellpower CPX series is the best on the market of cyclic AGM batteries.

Overview of CPX range on page 39



Comparison of number of cycles between cyclic AGM battery series



Cellpower CPG series

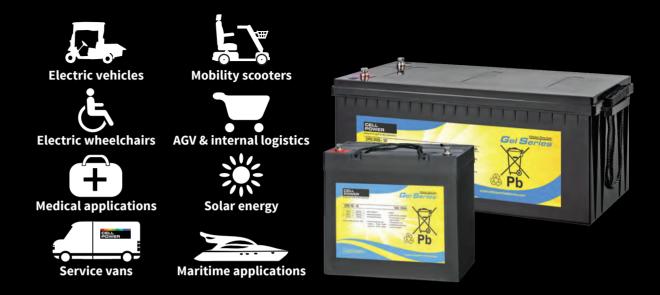
Cyclic Gel battery series (1000 cycles)

The Cellpower CPG series uses Gel technology and has been designed specifically for extreme cyclic use under challenging conditions. The Gel technology ensures that a Cellpower CPG battery is better able to cope with overdischarges than AGM batteries.

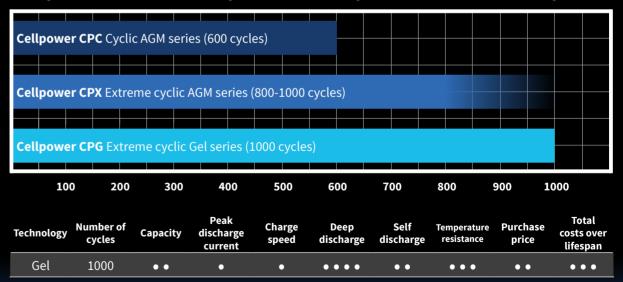
Like the other Cellpower battery series, CPG batteries do not leak and do not require any maintenance. It means they can be fitted in any position and do not need to be topped up from time to time.

CPG batteries are more resistant to higher temperatures than AGM batteries and they deal better with vibrations and impact. That makes them suitable for a wide range of applications that have to operate in wide-ranging conditions.

Overview of CPG range on page 39



Comparison of number of cycles between cyclic AGM and Gel battery series



Cellpower CPT series

Cyclic AGM Traction battery series (1200 cycles)

Cellpower has the CPT series specifically for cyclic applications that use larger semi-traction batteries, such as cleaning machines or elevated work platforms. These heavy-duty batteries have been developed for heavy-duty cyclic applications where they are discharged on a regular basis.

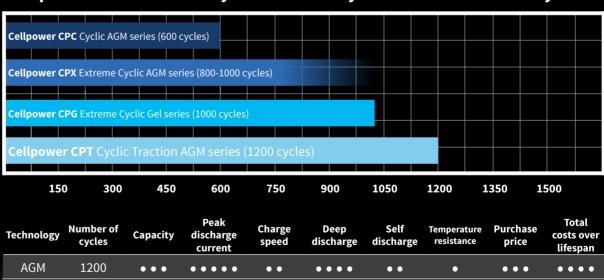
Like the other Cellpower battery series, the CPT batteries are completely closed and do not require maintenance. The housing has been designed to make it more convenient to fit the batteries into an application; they can be fitted from the top. The sturdy and vibration-resistant construction ensures that CPT batteries can take a knock, making them extremely suitable for mobile applications.

Cellpower offers 6 Volt models and one 12 Volt model for the CPT, offering users more options when choosing their battery pack.

Overview of CPT range on page 40



Comparison of number of cycles between cyclic AGM and Gel battery series



Cellpower CLN series

Cyclic Lithium battery series (1800 cycles)

The Cellpower CLN Lithium NMC series makes Lithium accessible. They have the same characteristics as Lithium-Iron batteries, but are much more economical.

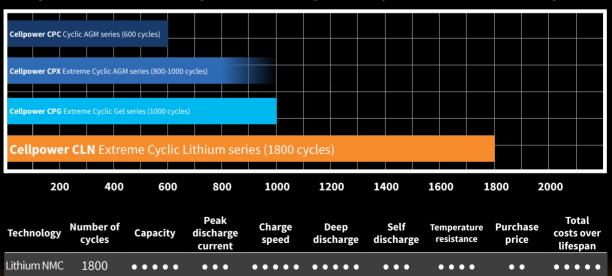
The Lithium technology ensures that CLN batteries achieve up to 3 times more cycles than AGM battery models with a comparable performance and they are more resistant to interim charging. All that while only being half the size and weight. The Cellpower CLN series is able to provide powerful cyclic performances over longer periods without any noticeable loss of capacity.

The Cellpower CLN series has been tested under the most challenging conditions in order to guarantee maximum performance. With the high temperature resistance and solid housing, you can be certain that a CLN battery will continue to perform where other batteries would have stopped a long time ago.

Overview of CLN range on page 40



Comparison of number of cycles between cyclic AGM, Gel and Lithium battery series



Cellpower CPXC series

Cyclic Lead-Carbon battery series (3500 cycles)

The Cellpower CPXC series is the latest innovation in cyclic battery technology. These batteries contain Lead-Carbon, giving them a number of advantages over 'regular' cyclic AGM Lead-Acid batteries.

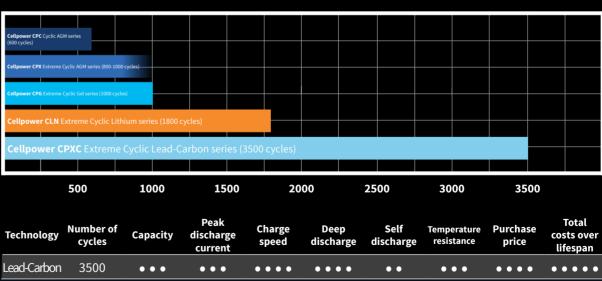
Thanks to the addition of advanced Lead-Carbon, the capacity will decrease less over time during use. As a result, Cellpower CPXC batteries are able to handle up to 4 times more cycles than regular cyclic AGM Lead-Acid batteries. In addition, thanks to the Lead-Carbon composition, CPXC batteries are better able to hold their charge and can be charged much faster than AGM Lead-Acid batteries.

Another advantage of CPXC batteries is that they perform better at very high or very low temperatures compared to AGM Lead-Acid batteries.

Overview of CPXC range on page 40



Comparison of number of cycles between cyclic AGM, Gel, Lithium NMC and Lead-Carbon battery series



Cellpower CLPL series

Cyclic Lithium battery series (6000 cycles)

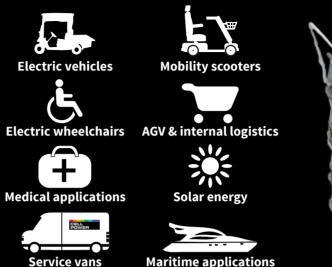
The Cellpower CLPL (Professional Line) is the Lithium Battery series that offers both standard battery blocks and customised modular batteries.

The standard battery blocks of the CLPL series use Lithium-Iron technology (LiFePO4). As a result, CLPL batteries offer extreme cyclic performance, are lightweight and compact in size. CLPL batteries are in the absolute top of cyclic batteries when it comes to performance and long-term reliability. CLPL batteries provide unrivalled performance.

Modular CLPL batteries cannot only be assembled from battery cells with Lithium-Iron technology, but also with Lithium NMC or Lithium LTO. These all-in-one energy solutions are configured entirely according to the wishes and requirements of the end user and can therefore only be supplied on request.

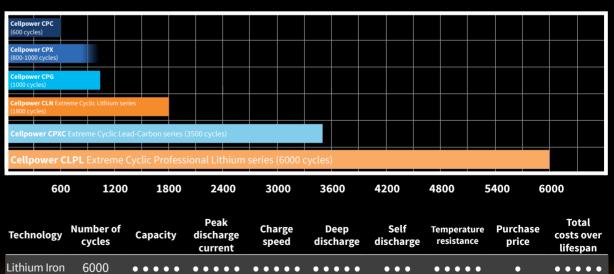
Overview of CLPL range on page 40

More information about custom made Lithium batteries on page 26





Comparison of number of cycles between cyclic AGM, Gel, Lead-Carbon and Lithium battery series



Cellpower stand-by battery series

What happens if you have an unexpected power cut? These days many businesses depend on a proper emergency power supply. However, a back-up system is only as reliable as its weakest link. You can only guarantee continuity with a reliable battery solution. Cellpower standby battery series have been developed to provide reliable performances in the most challenging conditions over long periods of time.

Stand-by battery series

	Technology	Design life	High discharge current	Vibration resistance	Temperature resistance	Purchase price*	Total costs over lifespan**
СР	AGM	3-5 years	•	•	•	• • • •	•
СРН	AGM	8-12 years	• • • •	• •	• • •	• • • •	• • •
CPL	AGM	8-12 years	•••	• •	• • •	••••	• • •
CPW	AGM	8-12 years	• • • •	• •	• • •	• • •	• • • •
CPF	AGM	10-12 years	• • •	• • •	• • • •	• • •	• • • •
CPR	AGM	15 years	• • • •	• • • •	• • • •	• •	• • • •
CPS	AGM	20 years	• • • •	• • •	• • • •	• • •	• • • •

^{*:} A higher score means a lower purchase price















CP (3-5 years)	CPH (8-12 years)	CPL (8-12 years)	CPW (8-12 years)	CPF (10-12 years)	CPR (15 years)	CPS (20 years)
Page 19	Page 20	Page 21	Page 22	Page 23	Page 24	Page 25

^{**:} A higher score means lower total costs over lifespan

Cellpower CP series

Standard AGM battery series (3-5 years)

The Cellpower CP General purpose series has been designed for use in a broad range of applications. Thanks to the all-round performance, CP batteries are able to supply reliable power under many different circumstances.

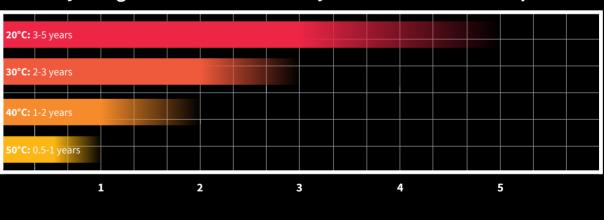
Many batteries from the CP series are VdS certified*, ensuring they are suitable for application in security systems or control panels. VdS certification is generally compulsory for such systems.

Cellpower CP batteries are completely leak-free, can be discharged in any position and do not require any interim maintenance. The range of CP batteries varies considerably and comprises 6 and 12 Volt models, ensuring there is a suitable CP battery for every application.

Overview of CP range on page 40



Stand-by design life of CP AGM battery series at different temperatures



Technology	Design life	High discharge current	Vibration resistance	Temperature resistance	Purchase price	Total costs over lifespan
AGM	3-5 years	•	•	•	• • • • •	•

^{*:} See page 40 for VdS certified models

Cellpower CPH series

High Rate battery series (8-12 years*)

The Cellpower CPH series has been designed specifically for applications that need a high power output over a short period of time. Compared to the Cellpower CP General series of AGM batteries, CPH batteries achieve up to 45% more Watt per cell.

The powerful performance of the Cellpower CPH series is the result of the most modern and optimised production processes and careful selection of the best materials. The result is a long design life of up to 12 years.

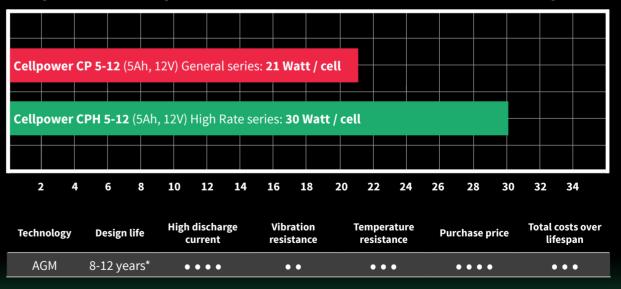
Typical applications for a CPH battery include UPS systems (emergency power supply), security systems, assembly robots and telecom systems. As batteries from the CPH series are able to provide a large amount of electricity in a short period of time, they are also suitable as a starter battery in mopeds or scooters.

Overview of CPH range on page 41

*: CPH 5-12 & CPH 6-12 have a design life of 3-5 years



Comparison of Watt per cell between standard CP and CPH AGM battery series



Cellpower CPL series

Long life battery series (8-12 years)

The Cellpower CPL series has been designed specifically for long-term stand-by use, making CPL batteries extremely suitable for emergency power systems and UPS systems.

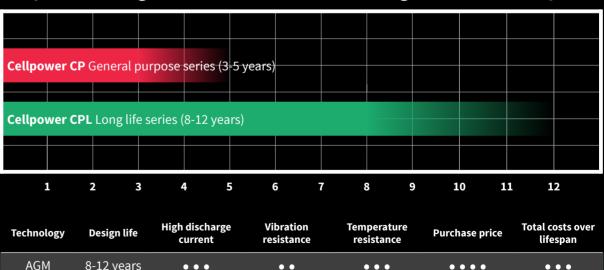
With a design life of up to 12 years, a system that consists of CPL batteries is always able to provide reliable energy. The Cellpower CPL battery series ensures that systems will stay up and running at times when there is a power cut in the normal electricity supply. It means your reliable service provision is never jeopardised.

Applications that require a reliable back-up over long periods of time, such as medical applications, security systems, data centres or telecom systems, all benefit from the solid qualities of the Cellpower CPL AGM battery series.

Overview of CPL range on page 41



Comparison of design life between standard CP and Long life CPL AGM battery series



Cellpower CPW series

Long life High Rate battery series (8-12 years)

When it comes to reliability over long periods of time, there is no better choice than a Cellpower CPW battery. The CPW series has been developed specifically for emergency power systems. CPW batteries have a design life of up to 12 years, due to the latest production methods, a strict selection of materials and extremely low production tolerances.

Batteries from the CPW series have a higher energy density than other AGM batteries of comparable size and weight. A unique combination of powerful performance and a long lifespan. Furthermore, the series is subjected continuously to demanding tests to guarantee the best quality.

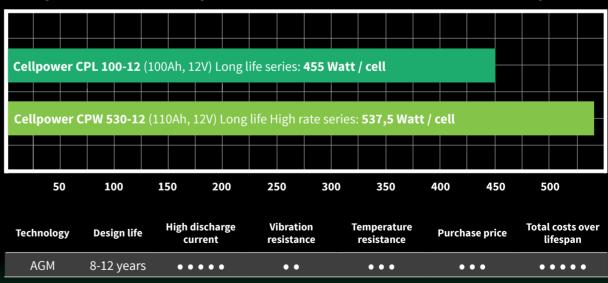
Cellpower offers a standard manufacturer's warranty of 3 years, which under certain circumstances this can be extended to 5 years*. A firm confirmation of exceptional quality.

Overview of CPW range on page 41

*: Please ask your distributor about the conditions



Comparison of Watts per cell between CPL and CPW battery series



Cellpower CPF series

Long life Front Access battery series (10-12 years)

The Cellpower CPF Front Access series has been designed specifically to be fitted effortlessly into 19 and 23 inch racks. The terminals of the CPF batteries are fitted on the front, making them easy to access if any maintenance is required.

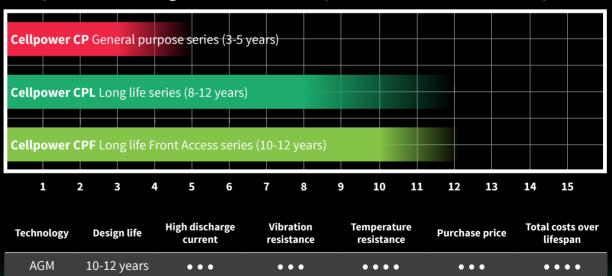
Cellpower CPF batteries offer a massive capacity in compact housing. With a design life of 10 - 12 years, these batteries guarantee a solid and reliable emergency power supply. These reliable properties are the main reason why Cellpower CPF batteries are used frequently for demanding and critical applications. Applications that require a reliable emergency or general power supply for long periods of time.

Examples of such applications include data centres, telecom systems, control rooms and security systems.

Overview of CPF range on page 42



Comparison of design life between CP, CPL and CPF AGM battery series



Cellpower CPR series

Long life battery series (15 years)

The Cellpower CPR series has been designed for use in the most challenging circumstances. With a design life of 15 years and a shock-resistant construction, the Cellpower CPR batteries are amongst the most solid AGM batteries available in the market today.

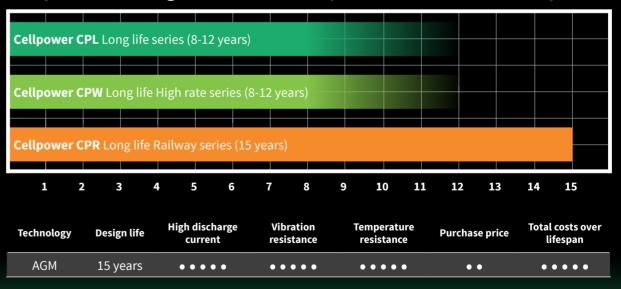
Due to their robust quality, the Cellpower CPR series received the official ProRail certification following a series of demanding and challenging tests. The stringent requirements of this certification underline the reliable qualities of the CPR battery series once more.

With its solid and shock-resistant construction, the Cellpower CPR series is suitable for applications near busy infrastructure, but its long lifespan and temperature-resistance also makes it suitable for emergency power, UPS systems and autonomous off-grid systems.

Overview of CPR range on page 42



Comparison of design life between CPL, CPW and CPR AGM battery series



Cellpower CPS series

Long life Single Cell battery series (20 years)

The Cellpower CPS Single Cell 2Volt series has been designed specifically for creating highcapacity battery systems. The CPS battery series is suitable for intensive use and provides an extremely stable power supply.

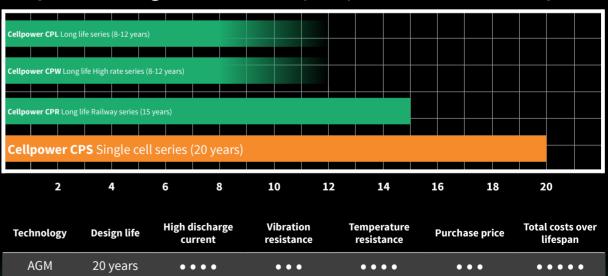
The CPS AGM batteries have a robust housing and with their terminals at the top they are easy to install and maintain. CPS batteries are built to last a long time, which is endorsed by an unrivalled design life of 20 years.

This combination of capacity and long lifespan means that CPS batteries are used particularly for difficult to access emergency power systems for the most demanding applications. Examples include oil rigs, large container vessels, telecom systems or autonomous off-grid power systems.

Overview of CPS range on page 42



Comparison of design life between CPL, CPW, CPR and CPS AGM battery series



Cellpower Custom-made Lithium batteries

Powerful performance, professional quality

More and more users are discovering the compelling benefits of a customised Lithium battery pack. Such batteries do not only seamlessly meet the energy requirements of their applications, but also offer extensive monitoring options, for example via CAN-bus.

These made-to-order Lithium batteries are resistant to extreme temperatures and are equipped with a BMS with a very low standby power consumption. By using modular Lithium battery cells, the customisation options are virtually endless. From a compact 3-Volt block to a 1000-Volt powerhouse.

Thanks to the excellent cyclic service life, robust construction and extensive technical support via selected Cellpower service partners, a custom Lithium battery pack is an investment in reliable and powerful quality that will more than pay for itself.

Examples



100Ah 12V battery pack



300Ah 48V battery pack

Available cell types

	Energy density	Number of cycles	Total costs over lifespan*	Charge / discharge speed
Lithium LFP	••••	••••	••••	•••
Lithium NMC	••••	•••	•••	•••
Lithium LTO	• •	• • • •	• • • •	• • • •

^{*:} A higher score means lower total costs over lifespan

All-in-one solutions

Take a look behind the scenes

Complete documentation

Every customised Cellpower Lithium battery has its own unique production code, warranty and service conditions, data sheets and certificates. This way you are assured of extensive technical service and support.

Extensive communication

CAN-bus, RS232, MOD-bus, WiFi, Bluetooth or another form of communication: it is all possible. This way, the battery can always be monitored so you will never be faced with unpleasant surprises.

Active BMS monitoring

The status of a Cellpower custom Lithium battery is constantly monitored by an active BMS (Battery Monitoring System). It monitors the quality of the battery and protects it against improper or unsafe use.

High-quality battery cells

It is possible to design a battery with Lithium LFP, NMC or LTO battery cells. Each with different strengths, but always with one common feature: safe and reliable quality for long-lasting, powerful performance.

Durable housing

Cellpower custom Lithium batteries can be fitted into an existing housing. If desired, a completely new custom high-quality housing can be produced.

Cellpower Battery packs for emergency lighting

Reliability when every second counts

During an emergency situation, only one thing counts: a swift and orderly evacuation. You should not have to worry about the reliability of the systems that ensure the evacuation process running smoothly. In such situations, Cellpower battery packs for emergency lighting offer quality you can rely on.

Battery packs for emergency lighting from Cellpower are available in three different chemical compositions: NiCd, NiMH and Lithium. Battery packs with NiCd or Lithium cells are always resistant to high temperatures thanks to the chemical composition. NiMH battery packs can optionally be supplied with temperature-resistant cells.

Cellpower offers a wide range of standard battery packs for emergency lighting, but can also deliver customised battery packs assembled from NiCd, NiMH or Lithium cells.

Overview of standard battery packs for emergency lighting on page 45



Standard available NiCd, NiMH and Lithium cells

AAA cell	AA cell	A cell	Sub-C cell	C cell	1/2D cell	D cell
44.5mm 10.5mm	50mm 15mm	50mm	42.5mm 22.5mm	50mm	35mm	60mm

Standard available connectors*

Model number	Drawing	Side view	Front view	Type
N001				Famostar
N002	_		3 4	Van Lien/Blessing
N003	=======================================		99	Faston
N004		-	w w	Ecolight
N005				Lighttronics

^{*:} Other connectors are available on request. Please consult you Cellpower distributor for the possibilities

Cellpower battery chargers

If you want to make optimum use of a battery, you need the right accessories. It all starts with a proper battery charger. This guarantees the user that the battery is charged in the best possible way and guarantees a maximum lifespan. Cellpower has a range of intelligent battery chargers with charging programmes that are designed for charging Cellpower batteries. With the WDT (Wireless Diagnostic Tool) Cellpower also provides the option of reading the status and history of the battery charger and the connected battery.

Battery charger assortment

	Available for battery types	Available charging currents	Available for battery capacities
12 Volt battery chargers	AGM, Gel, Lead-Carbon and Lithium	0.5A to 90A	2Ah to 900Ah
24 Volt battery chargers	AGM, Gel, Lead-Carbon and Lithium	0.5A to 80A	2Ah to 800Ah
36 Volt battery chargers	AGM and Lead-Carbon	1.2A to 50A	4.8Ah to 500Ah
48 Volt battery chargers	AGM, Lead-Carbon and Lithium	5A to 40A	20Ah to 400Ah





CCP & CCG battery chargers	CCL battery chargers
Intelligent battery chargers for AGM and Gel	Intelligent battery chargers for Lithium

Page 30 Page 31

Cellpower CCP and CCG battery chargers

For longer enjoyment of your battery

If you want to make optimum use of a battery you need the right battery charger. It is the first step towards obtaining maximum performance and lifespan from a battery. Cellpower offers a suitable charger for all of its own battery products.

Cellpower's battery chargers have been programmed with intelligent charging programmes that are designed for charging Cellpower batteries. It ensures that the connected battery is charged in the best possible way and will last longer.

Cellpower CCP chargers are suitable for AGM lead acid models; CCG chargers have been designed specifically for charging gel batteries from the Cellpower CPG series. The CCP and CCG chargers are available with different connectors, ensuring they can often be connected directly to the application without having to remove the battery.

Overview of CCP & CCG battery chargers on page 43



Suitable for



Cellpower CCL Lithium battery chargers

A smart user opts for an intelligent charger

A Lithium battery requires special attention. The built-in electronics mean it cannot be connected to just any battery charger. The worst case scenario is permanent damage to your battery. Therefore Cellpower offers CCL battery chargers for its own Lithium battery series.

The intelligent charging programmes of these chargers are perfectly matched to the internal electronics of these batteries. You are guaranteed of optimum charging of the battery, without any damage to the built-in BMS (Battery Management System) or the battery itself.

Depending on the connected Lithium battery, Cellpower CCL battery chargers also support quick charging. It means your Lithium battery will be available for use quickly.



Suitable for



Cellpower CLN Cellpower CLPL

Overview of CCL battery chargers on page 43

Cellpower accessories

The right battery is only the beginning

If you want to make optimum use of a battery you need the right accessories. Cellpower provides a broad range of accessories to monitor and retain the quality of the battery. All the accessories are manufactured in Europe and have the same high quality as the Cellpower battery series. You can create a reliable power system from Cellpower products from beginning to end. All Cellpower accessories have a low stand-by consumption.























Battery guards	Battery monitors	Battery alerts	Battery equalizers	Battery separators	Euro 5/6 solutions	Insulation guards	DC/DC converters	Battery testers	WDT
Page 33	Page 33	Page 34	Page 34	Page 35	Page 35	Page 36	Page 36	Page 37	Page 37

Cellpower battery guards

To prevent overdischarges







The deeper the discharge of a battery, the shorter its lifespan. This applies to both AGM lead batteries and gel batteries. Cellpower provides the solution for preventing overdischarge of a battery - the battery guard. The Cellpower battery guards ensure that the battery is switched off in time to prevent damage being caused by an overdischarge; they safeguard the maximum lifespan of the battery.

Often used for



Service vans



Solar energy



Campers

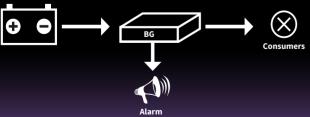


Mobile energy systems



Maritime applications

Wiring diagram



Cellpower battery monitors

A vigilant eye over your battery







With a battery monitor you can read the status of the connected battery or batteries immediately. The user knows instantly whether the battery needs charging, but will also be able to quickly detect and replace a defective battery. It provides the user with convenient insight into quality and performance and prevents unpleasant surprises.

Often used for



Service vans



Solar energy

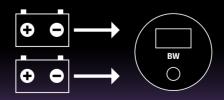


Campers



Johila anargy systa

Mobile energy systems



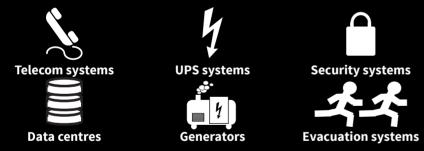
Cellpower battery alerts

No unpleasant surprises



With the battery alert, Cellpower provides a solution for preventing overdischarges of a battery. Cellpower battery alerts produce a signal as soon as the connected batteries are in danger of getting below the pre-set levels. It means the user can always intervene on time. The battery alert also has a start-stop programme for use in combination with generators and battery chargers.

Often used for



Wiring diagram



Cellpower battery equalizers

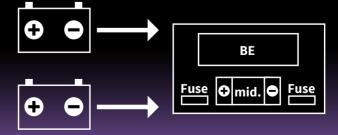
For an equal discharge



When two 12 Volt batteries are connected in series and together produce 24 Volt, a voltage difference may arise between the batteries, particularly if there is a temperature difference between the two. The batteries would be charged and discharged unevenly and this could have a significant impact on their lifespan. An battery equalizer prevents this from happening. It ensures that both batteries are charged evenly and remain at an equal voltage after charging.

Often used for





Cellpower battery separators

Both battery packs charged in the best possible way







Cellpower provides a battery separator specifically for vehicles with a second battery pack. It ensures that the charge voltage of the alternator is divided over the starter battery of the vehicle and the second battery pack. Intelligent programming ensures that the starter battery is given the highest priority. A Cellpower separator also prevents a battery from being overcharged by switching off the charging current on time.

Often used for



Service vans



Campers



Maritime applications

Cellpower Euro 5/6 solutions

Intelligent solutions for vans



Cellpower provides a range of power systems that can be used in Euro 5/6 certified vehicles. From individual components to all-in-one solutions. These systems can deal with the intelligent alternators that are incorporated in those vehicles. The starter battery of the vehicle and the secondary battery pack for tools are charged in the best possible way without being damaged.

Often used for







Campers



Maritime applications

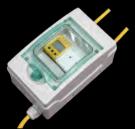
Wiring diagram





Cellpower insulation guards

Working safely on site

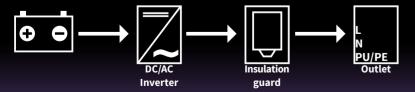


The Cellpower insulation monitor is an earth-leak safety device for vehicles such as service vehicles. As soon as tools are taken outside the vehicle, there is a chance of leakage current. The insulation guard has been designed to protect people who work with 230VAC equipment outside the vehicle; it can be used with DC/AC inverters, inverter/charger combinations and generators.

Often used for



Wiring diagram



Cellpower DC/DC converters

Always the right voltage



Cellpower provides various DC/DC converters that are targeted to your application. It may be a permanent power system or one that is suitable for mobile applications. Cellpower provides all-in-one power solutions for Euro 5/6 certified vehicles. It means that you have a reliable power supply on site with batteries charged in the best possible way.

Often used for





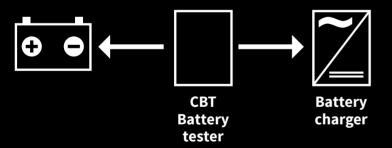
Cellpower battery testers

To detect any defect



With the Cellpower CBT battery tester, no technical defect will remain hidden. With this capacity tester, which is suitable for AGM, Gel and Lithium batteries, a battery can easily be tested. The result will immediately make clear whether the battery is still performing well. With the CBT software, a comprehensive analysis of the battery performance can be done on your computer. The CBT is available in both 12V and 24V versions.

Wiring diagram



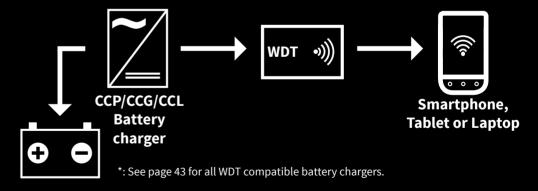
Cellpower WDT

An essential wireless tool for any maintenance engineer



With this smart device, it is easy to read the status of the battery charger and the connected battery on the WDT app (only for Android) or WDT web page on a mobile device or laptop via a WiFi connection. It means the user knows immediately whether the battery and the charger are being used in the right way and incorrect use is detected. The Cellpower WDT works with WDT-compatible Cellpower CCP, CCG and CCL battery chargers*.

Wiring diagram

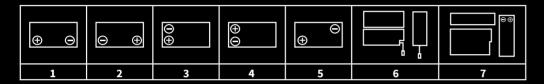


Assortment overview

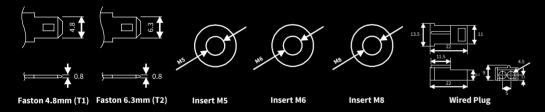
Version march 2020

You can find the complete overview of all the Cellpower products on the following pages. The most current product list, including a data sheet for every product, is always available at www.cellpowerbatteries.com. These data sheets contain more detailed information about the individual product. For questions about the Cellpower range, please contact your Cellpower distributor or contact us via sales@cellpowerbatteries.com.

Possible terminal configurations



Possible terminal types



after removing the flame

and does not drip.

Possible housing materials

<76mm/min for a material

thickness of <3mm.

ABS UL94-HB	ABS UL94-VU	Steel
Flame-retardant:	Flame-resistant:	Flame
Slow burning of the test	The test product extinguish-	Steel h
product. Burning speed	es itself within 10 seconds	to prev

Steel housing with coating to prevent corrosion and to protect against external influences (Anti Corrosion Coated Steel).

ACCS -resistant:



Cellpower CPC Cyclic Battery series

Model	Voltage	Capacity (Ah)	Dimensions lxwxh (mm)	Terminal type	Terminal configuration	Weight (kg)	Housing material
CPC 225-6	6	225	243x187x276	Insert M8	5	33.00	ABS (UL94-HB)
CPC 9-12	12	9.0	151x65x100	Faston 4.8mm	4	2.80	ABS (UL94-HB)
CPC 10-12	12	10	151x65x118	Faston 6.3mm	4	3.30	ABS (UL94-HB)
CPC 12-12	12	12	151x98x98	Faston 6.3mm	4	3.90	ABS (UL94-HB)
CPC 18-12	12	18	181x76x167	Insert M5	2	6.08	ABS (UL94-HB)
CPC 24-12	12	24	175x166x125	Insert M5	2	9.30	ABS (UL94-HB)
CPC 33-12	12	33	197x131x170	Insert M5	1	10.50	ABS (UL94-HB)
CPC 38-12	12	38	198x166x171	Insert M6	2	13.30	ABS (UL94-HB)
CPC 38-12S	12	38	197x131x168	Insert M6	1	10.70	ABS (UL94-HB)
CPC 50-12	12	50	198x166x171	Insert M6	2	14.30	ABS (UL94-HB)
CPC 55-12	12	55	226x135x214	Insert M6	1	17.00	ABS (UL94-HB)
CPC 62-12	12	62	226x135x214	Insert M6	1	18.70	ABS (UL94-HB)
CPC 75-12LW	12	75	260x170x207	Insert M6	1	24.40	ABS (UL94-HB)
CPC 80-12AJ	12	80	353x174x190	Automotive	1	25.70	ABS (UL94-HB)
CPC 90-12	12	90	306x169x215	Insert M6	2	29.00	ABS (UL94-HB)
CPC 110-12	12	110	330x171x220	Insert M8	1	30.00	ABS (UL94-HB)
CPC 120-12	12	120	408x176x227	Insert M8	1	37.00	ABS (UL94-HB)
CPC 135-12	12	135	341x173x287	Insert M8	1	40.00	ABS (UL94-HB)
CPC 150-12	12	150	482x170x240	Insert M8	1	44.50	ABS (UL94-HB)
CPC 160-12	12	160	530x209x220	Insert M8	3	55.50	ABS (UL94-HB)
CPC 200-12	12	200	522x238x223	Insert M8	3	62.50	ABS (UL94-HB)
CPC 250-12	12	250	520x269x227	Insert M8	3	74.00	ABS (UL94-HB)



Cellpower CPX Extreme Cyclic Battery series

Model	Voltage	Capacity (Ah)	Dimensions lxwxh (mm)	Terminal type	Terminal configuration	Weight (kg)	Housing material
CPX 20-12	12	20	181x76x166	Insert M5	2	6.45	ABS (UL94-HB)
CPX 26-12	12	26	175x166x125	Insert M5	3	9.60	ABS (UL94-HB)
CPX 33-12	12	33	195x129x168	Insert M6	1	11.50	ABS (UL94-HB)
CPX 45-12	12	45	199x166x170	Insert M6	2	13.90	ABS (UL94-HB)
CPX 50-12	12	50	197x165x171	Insert M6	1	16.50	ABS (UL94-HB)
CPX 60-12	12	60	260x168x183	Insert M6	1	20.50	ABS (UL94-HB)
CPX 63-12	12	63	275x171x188	Insert M6	1	20.70	ABS (UL94-HB)
CPX 75-12	12	75	261x166x171	Insert M6	1	19.70	ABS (UL94-HB)
CPX 80-12	12	80	260x168x215	Insert M6	1	25.50	ABS (UL94-HB)
CPX 100-12	12	100	261x169x216	Insert M6	1	26.20	ABS (UL94-HB)
CPX 115-12	12	115	330x172x220	Insert M8	1	32.50	ABS (UL94-HB)
CPX 125-12	12	125	331x172x215	Insert M8	1	32.70	ABS (UL94-HB)

Cellpower CPG Cyclic Gel Battery series

Model	Voltage	Capacity (Ah)	Dimensions lxwxh (mm)	Terminal type	Terminal configuration	Weight (kg)	Housing material
CPG 33-12	12	33	196x131x160	Insert M6	1	10.20	ABS (UL94-HB)
CPG 40-12	12	40	198x167x160	Insert M6	1	13.50	ABS (UL94-HB)
CPG 50-12	12	50	229x138x211	Insert M6	1	16.50	ABS (UL94-HB)
CPG 55-12	12	55	228x138x213	Insert M6	1	17.70	ABS (UL94-HB)
CPG 60-12	12	60	260x168x180	Insert M6	1	21.50	ABS (UL94-HB)
CPG 75-12	12	75	260x168x214	Insert M6	1	24.20	ABS (UL94-HB)
CPG 100-12	12	100	329x172x210	Insert M6	1	30.50	ABS (UL94-HB)
CPG 200-12	12	200	520x240x223	Insert M8	3	63.00	ABS (UL94-HB)



Cellpower CPT Cyclic Traction Battery series

Model	Voltage	Capacity (Ah)	Dimensions lxwxh (mm)		Terminal configuration	Weight (kg)	Housing material
CPT 200-6	6	200	260x180x274	Automotive	5	30.0	ABS (UL-94HB)
CPT 288-6	6	288	295x180x366	Automotive	5	48.9	ABS (UL-94HB)
CPT 215-12	12	215	386x180x367	Automotive	5	66.5	ABS (UL-94HB)

Cellpower CLN Cyclic Lithium Battery series

Model	Voltage	Capacity (Ah)	Dimensions lxwxh (mm)		Terminal configuration	Weight (kg)	Housing material
CLN 40-24	24	40	198x166x179	Insert M6	1	11.0	Steel (ACCS)
CLN 60-24	24	60	260x170x213	Insert M6	1	16.0	Steel (ACCS)
CLN 70-24	24	70	330x171x221	Insert M8	1	18.6	Steel (ACCS)

Cellpower CPXC Cyclic Lead-Carbon Battery series

Model	Voltage	Capacity (Ah)	Dimensions lxwxh (mm)	Terminal type	Terminal configuration	Weight (kg)	Housing material
CPXC 500-2	2	500	167x205x470/493	Insert M8		41.0	ABS (UL-94HB)
CPXC 1000-2	2	1000	192x209x645/668	Insert M8		70.0	ABS (UL-94HB)
CPXC 1200-2	2	1200	234x209x645/668	Insert M8		89.0	ABS (UL-94HB)
CPXC 65-12	12	65	261x167x213	Insert M6	1	24.5	ABS (UL-94HB)
CPXC 80-12	12	80	331x171x221	Insert M8	1	30.5	ABS (UL-94HB)
CPXC 100-12	12	100	409x170x223	Insert M8	1	35.5	ABS (UL-94HB)
CPXC 120-12	12	120	481x169x239	Insert M8	1	41.0	ABS (UL-94HB)
CPXC 150-12	12	150	533x206x219	Insert M8	3	55.0	ABS (UL-94HB)
CPXC 170-12	12	170	523x238x224	Insert M8	3	63.0	ABS (UL-94HB)
CPXC 200-12	12	200	521x267x224	Insert M8	3	72.5	ABS (UL-94HB)

^{*:} Please consult the data sheet on www.cellpowerbatteries.com



Cellpower CLPL Cyclic Lithium Battery series*

Model	Voltage	Capacity (Ah)	Dimensions lxwxh (mm)	Terminal type	Terminal configuration	Weight (kg)	Housing material
CLPL 20-12	12	20	72x168x152			2.80	ABS (UL-94HB)
CLPL 40-12	12	40	204x126x180	**	**	5.80	ABS (UL-94HB)
CLPL 60-12	12	60	180x126x180			10.2	ABS (UL-94HB)
CLPL 100-12	12	100	260x125x234	**	**	11.5	ABS (UL-94HB)

^{*:} Other customised configurations are available on request. More information on pages 17 and 26 of this brochure, via sales@cellpowerbatteries.com, or ask your Cellpower distributor

Cellpower CP General Purpose Battery series

Model	Voltage	Capacity (Ah)	Dimensions lxwxh (mm)	Terminal type	Terminal configuration	Weight (kg)	Housing material
CP 1.2-6	6	1.2	97x24x58	Faston 4.8mm	1	0.28	ABS (UL94-HB)
CP 3.2-6	6	3.2	134x35x67	Faston 4.8mm	1	0.60	ABS (UL94-HB)
CP 3.5-6	6	3.5	194x25x56	Faston 4.8mm	1	0.60	ABS (UL94-HB)
CP 4-6	6	4.0	70x47x107	Faston 4.8mm	5	0.68	ABS (UL94-HB)
CP 7-6	6	7.0	151x34x100	Faston 4.8mm	1	1.15	ABS (UL94-HB)
CP 12-6	6	12	151x50x100	Faston 4.8mm	1	1.80	ABS (UL94-HB)
CP 0.8-12	12	0.8	96x25x62	Wired plug	6	0.40	ABS (UL94-HB)
CP 1.2-12 *	12	1.2	97x43x58	Faston 4.8mm	1	0.52	ABS (UL94-HB)
CP 2-12M	12	2.0	150x20x90	Faston 4.8mm	7	0.68	ABS (UL94-HB)
CP 2.2-12 *	12	2.2	178x34x66	Faston 4.8mm	1	1.04	ABS (UL94-HB)
CP 2.9-12	12	2.9	79x56x105	Faston 4.8mm	1	1.05	ABS (UL94-HB)
CP 3.2-12 *	12	3.2	134x67x67	Faston 4.8mm	1	1.30	ABS (UL94-HB)
CP 4.5-12	12	4.5	195x47x76	Faston 4.8mm	1	1.58	ABS (UL94-HB)
CP 7-12 *	12	7.0	151x65x102	Faston 4.8mm	1	2.20	ABS (UL94-HB)
CP 7-12L *	12	7.0	151x65x102	Faston 6.3mm	1	2.20	ABS (UL94-HB)
CP 12-12 *	12	12	151x98x98	Faston 6.3mm	1	4.02	ABS (UL94-HB)
CP 18-12I *	12	18	181x76x167	Insert M5	1	5.60	ABS (UL94-HB)
CP 20-12B	12	20	181x76x167	Flag Terminal M5	**	5.95	ABS (UL94-HB)
CP 26-12I *	12	26	166x175x125	Insert M5	1	9.30	ABS (UL94-HB)
CP 40-12I *	12	40	197x165x170	Insert M6	1	12.80	ABS (UL94-HB)
CP 65-12 *	12	65	350x167x179	Insert M6	1	20.80	ABS (UL94-HB)

^{*:} VdS certified

^{**:} Please consult the data sheet on www.cellpowerbatteries.com

^{**:} Please consult the data sheet on www.cellpowerbatteries.com

Cellpower CPH High Rate Battery series

Model	Voltage	Capacity (Ah)	Dimensions lxwxh (mm)	Terminal type	Terminal configuration	Weight (kg)	Housing material
CPH 5-12	12	5.0	90x70x107	Faston 6.3mm	1	1.90	ABS (UL94-HB)
CPH 6-12	12	6.0	151x51x101	Faston 6.3mm (+) Faston 4.8mm (-)	4	2.00	ABS (UL94-HB)
CPH 55-12	12	55	229x138x213	Insert M6	1	17.0	ABS (UL94-HB)
CPH 80-12	12	80	258x166x215	Insert M6	1	24.5	ABS (UL94-HB)
CPH 95-12	12	95	306x170x225	Insert M6	1	29.2	ABS (UL94-HB)
CPH 110-12	12	110	339x173x220	Insert M8	1	31.5	ABS (UL94-HB)
CPH 140-12	12	140	341x173x283	Insert M8	1	39.5	ABS (UL94-HB)
CPH 150-12	12	150	341x173x283	Insert M8	1	41.0	ABS (UL94-HB)

Cellpower CPL Long Life Battery series

Model	Voltage	Capacity (Ah)	Dimensions lxwxh (mm)	Terminal type	Terminal configuration	Weight (kg)	Housing material
CPL 9-12L	12	9.0	151x65x102	Faston 6.3mm	1	2.70	ABS (UL94-HB)
CPL 12-12	12	12	151x98x101	Faston 6.3mm	4	3.50	ABS (UL94-HB)
CPL 18-12	12	18	181x76x167	Insert M5	2	5.45	ABS (UL94-HB)
CPL 28-12I	12	28	168x178x124	Insert M5	2	8.40	ABS (UL94-HB)
CPL 28-12IA	12	28	166x125x175	Insert M5	2	9.00	ABS (UL94-HB)
CPL 33-12	12	33	195x130x160	Insert M6	1	10.7	ABS (UL94-HB)
CPL 45-12I	12	45	198x167x157	Insert M6	2	13.8	ABS (UL94-HB)
CPL 55-12I	12	55	229x138x213	Insert M6	1	17.3	ABS (UL94-HB)
CPL 65-12IJ	12	65	350x167x179	Insert M6	1	23.4	ABS (UL94-HB)
CPL 80-12	12	80	258x166x215	Insert M6	1	24.5	ABS (UL94-HB)
CPL 100-12	12	100	307x168x214	Insert M6	1	29.5	ABS (UL94-HB)
CPL 135-12	12	135	342x172x285	Insert M8	1	41.4	ABS (UL94-HB)
CPL 150-12	12	150	485x172x240	Insert M8	1	47.0	ABS (UL94-HB)
CPL 250-12	12	250	521x269x220	Insert M8	3	78.0	ABS (UL94-HB)





Cellpower CPW Long Life High Rate Battery series

Model	Voltage	Capacity (Ah)	Dimensions lxwxh (mm)	Terminal type	Terminal configuration	Weight (kg)	Housing material
CPW 30-12	12	5.0	90x70x106	Faston 6.3mm	1	1.80	ABS (UL94-HB)
CPW 35-12	12	7.0	151x65x98	Faston 4.8mm	4	2.20	ABS (UL94-HB)
CPW 35-12L	12	7.0	151x65x98	Faston 6.3mm	4	2.20	ABS (UL94-HB)
CPW 50-12	12	8.5	151x65x100	Faston 6.3mm	4	2.75	ABS (UL94-HB)
CPW 80-12	12	13	151x98x98	Faston 6.3mm	4	4.20	ABS (UL94-HB)
CPW 110-12	12	21	181x76x166	Insert M5	2	6.50	ABS (UL94-HB)
CPW 140-12	12	28	165x125x175	Insert M5	2	9.60	ABS (UL94-HB)
CPW 160-12	12	33	195x129x168	Insert M6	1	11.3	ABS (UL94-HB)
CPW 200-12	12	40	197x165x171	Insert M6	2	14.3	ABS (UL94-HB)
CPW 270-12	12	55	228x139x207	Insert M6	1	17.8	ABS (UL94-HB)
CPW 390-12	12	80	261x173x207	Insert M6	1	26.0	ABS (UL94-HB)
CPW 440-12	12	90	261x173x207	Insert M6	1	26.4	ABS (UL94-HB)
CPW 530-12	12	110	330x173x218	Insert M6	1	34.3	ABS (UL94-HB)
CPW 650-12	12	135	344x173x277	Insert M8	1	41.1	ABS (UL94-HB)
CPW 750-12	12	155	344x173x277	Insert M8	1	45.5	ABS (UL94-HB)



Cellpower CPR Railway Battery series

Voltage	Capacity (Ah)	Dimensions lxwxh (mm)	Terminal type	Terminal configuration	Weight (kg)	Housing material
12	3.3	134x67x66	Faston 4.8mm	3	1.35	ABS (UL94-V0)
12	7.0	151x65x98	Faston 4.8mm	4	2.60	ABS (UL94-V0)
12	7.5	151x65x100	Faston 4.8mm	4	2.70	ABS (UL94-V0)
12	12	151x98x98	Faston 6.3mm	4	4.10	ABS (UL94-V0)
12	20	181x76x166	Insert M5	2	6.40	ABS (UL94-V0)
12	28	166x175x125	Insert M5	2	9.70	ABS (UL94-V0)
12	33	195x129x168	Insert M6	1	11.5	ABS (UL94-V0)
12	40	197x165x171	Insert M6	2	14.6	ABS (UL94-V0)
12	65	350x166x174	Insert M6	2	22.7	ABS (UL94-V0)
12	80	260x168x215	Insert M6	1	26.8	ABS (UL94-V0)
12	95	329x172x218	Insert M6	2	33.2	ABS (UL94-V0)
12	110	407x173x239	Insert M6	1	40.0	ABS (UL94-V0)
12	150	483x171x240	Insert M8	1	51.8	ABS (UL94-V0)
12	210	522x240x220	Insert M8	3	73.2	ABS (UL94-V0)
6	170	260x171x244	Insert M8	5	29.2	ABS (UL94-V0)
2	200	173x111x357	Insert M8	5	16.0	ABS (UL94-V0)
2	300	171x151x358	Insert M8		21.2	ABS (UL94-V0)
2	400	211x176x357	Insert M8		31.5	ABS (UL94-V0)
2	500	241x172x359	Insert M8		36.0	ABS (UL94-V0)
2	600	301x175x359	Insert M8		46.0	ABS (UL94-V0)
2	800	410x175x358	Insert M8		63.0	ABS (UL94-V0)
2	1000	475x175x358	Insert M8	*	72.0	ABS (UL94-V0)
2	1500	400x350x369	Insert M8		128.0	ABS (UL94-V0)
2	2000	490x350x371	Insert M8	*	153.0	ABS (UL94-V0)
2	3000	710x353x369	Insert M8		215.0	ABS (UL94-V0)
	12 12 12 12 12 12 12 12 12 12 12 12 12 1	Voltage (Ah) 12	Voltage (Ah) lxwxh (mm) 12 3.3 134x67x66 12 7.0 151x65x98 12 7.5 151x65x100 12 12 151x98x98 12 20 181x76x166 12 28 166x175x125 12 33 195x129x168 12 40 197x165x171 12 65 350x166x174 12 80 260x168x215 12 95 329x172x218 12 10 407x173x239 12 150 483x171x240 12 210 522x240x220 6 170 260x171x244 2 200 173x111x357 2 300 171x151x358 2 400 211x176x357 2 500 241x172x359 2 600 301x175x358 2 1000 475x175x358 2 1500 400x350x369	Voltage (Ah) lxwxh (mm) type 12 3.3 134x67x66 Faston 4.8mm 12 7.0 151x65x98 Faston 4.8mm 12 7.5 151x65x100 Faston 4.8mm 12 12 151x98x98 Faston 6.3mm 12 20 181x76x166 Insert M5 12 28 166x175x125 Insert M5 12 33 195x129x168 Insert M6 12 40 197x165x171 Insert M6 12 40 197x165x171 Insert M6 12 40 197x165x171 Insert M6 12 80 260x168x215 Insert M6 12 95 329x172x218 Insert M6 12 95 329x172x218 Insert M6 12 110 407x173x239 Insert M8 12 150 483x171x240 Insert M8 12 210 522x240x220 Insert M8 2 200 173x111x357	Voltage (Ah) Lxwxh (mm) type configuration 12 3.3 134x67x66 Faston 4.8mm 3 12 7.0 151x65x98 Faston 4.8mm 4 12 7.5 151x65x100 Faston 4.8mm 4 12 12 151x98x98 Faston 6.3mm 4 12 20 181x76x166 Insert M5 2 12 28 166x175x125 Insert M5 2 12 33 195x129x168 Insert M6 1 12 40 197x165x171 Insert M6 2 12 40 197x165x171 Insert M6 2 12 80 260x168x215 Insert M6 2 12 80 260x168x215 Insert M6 2 12 95 329x172x218 Insert M6 2 12 10 407x173x239 Insert M8 1 12 150 483x171x240 Insert M8 5	Voltage (Ah) lxwxh (mm) type configuration (kg) 12 3.3 134x67x66 Faston 4.8mm 3 1.35 12 7.0 151x65x98 Faston 4.8mm 4 2.60 12 7.5 151x65x100 Faston 4.8mm 4 2.70 12 12 151x98x98 Faston 6.3mm 4 4.10 12 20 181x76x166 Insert M5 2 6.40 12 28 166x175x125 Insert M5 2 9.70 12 33 195x129x168 Insert M6 1 11.5 12 40 197x165x171 Insert M6 2 14.6 12 40 197x165x171 Insert M6 2 22.7 12 80 260x168x215 Insert M6 2 22.7 12 80 260x168x215 Insert M6 2 33.2 12 110 407x173x239 Insert M8 1 51.8 <

^{*:} Please consult the data sheet on www.cellpowerbatteries.com



Cellpower CPF Front Access Battery series

Model	Voltage	Capacity (Ah)	Dimensions lxwxh (mm)	Terminal type	Terminal configuration	Weight (kg)	Housing material
CPF 50-12	12	50	277x106x243	Insert M6	3	17.3	ABS (UL94-V0)
CPF 105-12	12	105	395x110x293	Insert M8	3	35.0	ABS (UL94-V0)
CPF 140-12	12	140	552x110x295	Insert M8	3	49.0	ABS (UL94-V0)
CPF 180-12	12	180	546x125x323	Insert M8	3	58.5	ABS (UL94-V0)

Cellpower CPS Single Cell Battery series

Model	Voltage	Capacity (Ah)	Dimensions lxwxh (mm)	Terminal type	Terminal configuration	Weight (kg)	Housing material
CPS 200-2	2	200	173x111x329/364	Insert M8		14.2	ABS (UL94-V0)
CPS 300-2	2	300	171x151x330/364	Insert M8		20.0	ABS (UL94-V0)
CPS 400-2	2	400	211x176x329/367	Insert M8		28.0	ABS (UL94-V0)
CPS 500-2	2	500	241x173x330/365	Insert M8		33.0	ABS (UL94-V0)
CPS 600-2	2	600	302x175x331/367	Insert M8		40.0	ABS (UL94-V0)
CPS 1000-2	2	1000	475x175x340/367	Insert M8		66.5	ABS (UL94-V0)
CPS 1500-2	2	1500	400x350x367/382	Insert M8		100.0	ABS (UL94-V0)
CPS 2000-2	2	2000	490x350x367/382	Insert M8		132.0	ABS (UL94-V0)
CPS 3000-2	2	3000	710x350x367/382	Insert M8		210.0	ABS (UL94-V0)

^{*:} Please consult the data sheet on www.cellpowerbatteries.com



Cellpower CCP AGM Battery chargers

Model	Voltage	Current (A)	Suitable for battery capacities	Dimensions lxwxh (mm)
CCP 12-0.5	Output: 12VDC nom.	0.5	2Ah - 5Ah	90x60x30
CCP 12-1	Output: 12VDC nom.	1.0	4Ah - 10Ah	106x50x30
CCP 12-1.5	Output: 12VDC nom.	1.5	6Ah - 15Ah	106x50x30
CCP 12-2	Output: 12VDC nom.	2.0	8Ah - 20Ah	120x67x41
CCP 12-2.7	Output: 12VDC nom.	2.7	10.8Ah - 27Ah	120x60x38
CCP 12-3	Output: 12VDC nom.	3.0	12Ah - 30Ah	120x67x41
CCP 12-6 *	Output: 12VDC nom.	6.0	24Ah - 60Ah	210x175x65
CCP 12-10 *	Output: 12VDC nom.	10.0	40Ah - 100Ah	210x175x65
CCP 12-16 *	Output: 12VDC nom.	16.0	64Ah - 160Ah	210x175x65
CCP 12-20 *	Output: 12VDC nom.	20.0	80Ah - 200Ah	210x175x65
CCP 24-0.5	Output: 24VDC nom.	0.5	2Ah - 5Ah	90x30x60
CCP 24-0.5I	Output: 24VDC nom.	0.5	2Ah - 5Ah	90x30x60
CCP 24-1	Output: 24VDC nom.	1.0	4Ah - 10Ah	116x57x38
CCP 24-1.5	Output: 24VDC nom.	1.5	6Ah - 15Ah	116x57x38
CCP 24-2	Output: 24VDC nom.	2.0	8Ah - 20Ah	120x60x38
CCP 24-5	Output: 24VDC nom.	5.0	20Ah - 50Ah	164x78x45
CCP 24-6 *	Output: 24VDC nom.	6.0	24Ah - 60Ah	210x175x65
CCP 24-8 *	Output: 24VDC nom.	8.0	32Ah - 80Ah	210x175x65
CCP 24-10 *	Output: 24VDC nom.	10.0	40Ah - 100Ah	210x175x65
CCP 24-12 *	Output: 24VDC nom.	12.0	48Ah - 120Ah	210x175x65
CCP 24-12S *	Output: 24VDC nom.	12.0	48Ah - 120Ah	210x175x65
CCP 36-1.2	Output: 36VDC nom.	1.2	4.8Ah - 12Ah	153x63x45
CCP 36-5	Output: 36VDC nom.	5.0	20Ah - 50Ah	160x105x60
CCP 48-5	Output: 48VDC nom.	5.0	20Ah - 50Ah	184x96x50
CCP 48-5B	Output: 48VDC nom.	5.0	20Ah - 50Ah	180x90x63



Cellpower CCG Gel Battery chargers

Model	Voltage	Current (A)	Suitable for battery capacities	Dimensions lxwxh (mm)
CCG 12-10 *	Output: 12VDC nom.	10.0	40Ah - 100Ah	210x175x65
CCG 12-20 *	Output: 12VDC nom.	20.0	80Ah - 200Ah	210x175x65
CCG 24-6 *	Output: 24VDC nom.	6.0	24Ah - 60Ah	210x175x65
CCG 24-8 *	Output: 24VDC nom.	8.0	32Ah - 80Ah	210x175x65
CCG 24-10 *	Output: 24VDC nom.	10.0	40Ah - 100Ah	210x175x65
CCG 24-12 *	Output: 24VDC nom.	12.0	48Ah - 120Ah	210x175x65

^{*:} WDT compatible

Cellpower CCL Lithium Battery chargers

Model	Voltage	Current (A)	Suitable for battery capacities	Dimensions lxwxh (mm)
CCL 12-10 *	Output: 12VDC nom.	10.0	40Ah - 100Ah	210x175x65
CCL 12-20 *	Output: 12VDC nom.	20.0	80Ah - 200Ah	210x175x65
CCL 24-6 *	Output: 24VDC nom.	6.0	24Ah - 60Ah	210x175x65
CCL 24-8 *	Output: 24VDC nom.	8.0	32Ah - 80Ah	210x175x65
CCL 24-12 *	Output: 24VDC nom.	12.0	48Ah - 120Ah	210x175x65

^{*:} WDT compatible

Cellpower Battery testers

Model	Package contents	Dimensions lxwxh (mm)
CBT 25-12	CBT 12V Battery tester including clamps, user manual	200x140x190
CBT 25-24	CBT 24V Battery tester including clamps, user manual	200x140x190

Cellpower Wireless Diagnostic Tool

Model	Package contents	Dimensions lxwxh (mm)
WDT	WDT, USB charging cable, CC charger connection cable, manual	92x80x25

Cellpower Battery guards

Model	Voltage	Current (A)	Dimensions lxwxh (mm)	IP classification
BG 10	12V - 24V	10	60x25x5	
BG 18	12V - 24V	18	60x25x5	
BG 40	12V - 24V	40	81x64x41	IP65
BG 60	12V - 24V	60	81x64x41	IP65
BG 100	12V - 24V	100	120x110x60	IP65
BG 200	12V - 24V	200	120x110x60	IP65
BGB 100	48V	100	120x82x57	

Cellpower Battery monitors

Model	Suitable for	Voltage	Screen	Dimensions lxwxh (mm)
BW 01	AGM, Gel & Lead-Carbon batteries	In: 7 - 32V	No	65x65x25
BW 03R	AGM, Gel & Lead-Carbon batteries	In: 6 - 31V	Yes, red (LED)	60x60x20
BW 03G	AGM, Gel & Lead-Carbon batteries	In: 6 - 31V	Yes, green (LED)	60x60x20
CBWL 24	Lithium NMC batteries	In: 24V	No	46x27x13
CBWL 2 24	Lithium NMC batteries	In: 24V	Yes, green (LCD)	56x56x65
PM 04-03	AGM, Gel & Lead-Carbon batteries	In: 20 - 60V	No	100x90x35

Cellpower Battery alerts

Model	Voltage	Max. current (A)	Dimensions Øxh (mm)
BA 12-24V	12 / 24VDC	1.0	45x20

Cellpower Equalizers

Model	Voltage	Max. current (A)	Dimensions lxwxh (mm)
BE 24-1	2x 12VDC	2.5	100x90x35

Cellpower Separators

Model	Voltage	Max. current (A)	Dimensions lxwxh (mm)	IP classification
BS 100-12\24	12V/24V	100	46x46x80	
BS 140-12\24	12V/24V	140	46x46x80	
BSW 160-12\24	12V/24V	160	108x72x58	IP65
BS 500-12\24	12V/24V	500	80x70x72	
BSW 500-12\24	12V/24V	500	80x70x72	IP65

Cellpower DC/DC Converters

Model	Voltage	Current (A)	Dimensions lxwxh (mm)
SMC 05	In: 18-35V, out: 13.8V	5.5	68x88x49
SMC 05 I	In: 18-35V, out: 13.8V	5.5	68x88x49
SMC 08	In: 18-35V, out: 13.8V	8.0	98x88x49
SMC 12	In: 20-35V, out: 13.8V	12	98x88x49
SMC 20	In: 20-35V, out: 13.8V	20	126x88x49
SMC 30	In: 20-35V, out: 13.8V	30	151x88x49
SMC 60	In: 20-35V, out: 13.8V	60	180x100x88
SMG 1209-100	In: 9-18V, out: 9V	8.0	151x88x50
SMG 1212-100	In: 9-18V, out: 12.5V	8.0	151x88x50
SMG 1212-200	In: 9-18V, out: 12.5V	15	175x88x50
SMG 1212-360	In: 9-18V, out: 12.5V	25	190x133x83
SMG 1224-100	In: 9-18V, out: 24V	4.0	151x88x50
SMG 1224-200	In: 9-18V, out: 24V	7.5	175x88x50
SMG 1224-360	In: 9-18V, out: 24V	12.5	190x133x83
SMG 2412-100	In: 20-35V, out: 12.5V	8.0	151x88x50
SMG 2412-200	In: 20-35V, out: 12.5V	15.0	175x88x50
SMG 2412-360	In: 20-35V, out: 12.5V	25.0	190x133x83
SMG 2424-100	In: 20-35V, out: 24V	4.0	151x88x50
SMG 2424-200	In: 20-35V, out: 24V	7.5	175x88x50
SMG 2424-360	In: 20-35V, out: 24V	12.5	190x133x83
SMG 2448-100	In: 20-35V, out: 48V	2.0	151x88x50
SMG 2448-360	In: 20-35V, out: 48V	12.5	190x133x83
SMG 4812-100	In: 30-60V, out: 12.5V	8.0	151x88x50
SMG 4812-200	In: 30-60V, out: 12.5V	15	175x88x50
SMG 4812-360	In: 30-60V, out: 12.5V	25	190x133x83
SMG 4824-100	In: 30-60V, out: 24V	4.0	151x88x50
SMG 4824-200	In: 30-60V, out: 24V	7.5	175x88x50
SMG 4824-360	In: 30-60V, out: 24V	12.5	190x133x83
SMG 7212-100	In: 60-120V, out: 12.5V	8.0	151x88x50
SMG 7212-200	In: 60-120V, out: 12.5V	15	182x88x49
SMG 7212-360	In: 60-120V, out: 12.5V	25	160x163x64
SMG 7224-100	In: 60-120V, out: 24V	4.0	152x88x49
SMG 7224-200	In: 60-120V, out: 24V	7.5	182x88x49
SMG 7224-360	In: 60-120V, out: 24V	12.5	160x163x64
SMGC 1212-07	In: 9-18V	7.0	152x88x49
SMUC 0612 7	In: 5-7V, out: 12V	7.0	152x88x49
SMUC 1224 10	In: 10-16V, out: 24V	10	152x88x49
SMUC 1224 7	In: 10-16V, out: 24V	7.0	152x88x49

Cellpower Euro 5/6 solutions

Model	Voltage	Max. current (A)	Dimensions lxwxh (mm)	Product type	Motion detection
BSM 140	12V/24V	140	46x46x90	Separator	Yes
SMUCM 1250	In: 9-18V, out: 14.4V	50	64x335x163	DC/DC converter	Yes
SMUCM 2450	In: 9-32V, out: 28.8V	50	64x335x163	DC/DC converter	Yes
Smartbank 12V	12V	200	91x50x39	Intelligent DC/DC converter	Yes*
Smartbank 24V	24V	200	91x50x39	Intelligent DC/DC converter	Yes*
SLV 1207	In: 9-18V, out: 14.6V	7.0	182x88x49	DC/DC charger	No
SLV 1214	In: 9-18V, out: 14.6V	14	182x88x49	DC/DC charger	No
SLV 1218	In: 9-18V, out: 14.6V	18	160x163x64	DC/DC charger	No

^{*:} Equipped with both motion and voltage detection

Cellpower Insulation guards

Model	Voltage	Current (A)	Dimensions lxwxh (mm)
LES4234432-16	230VAC	16	150x80x99
LES4234432C*	230VAC	16	200x123x112
LES4234432-25	230VAC	25	150x80x99
LES4234432-25C*	230VAC	25	150x80x99
LES4234432-63	230VAC	63	200x125x125
LES4234432-63C*	230VAC	63	200x125x125

^{*:} For combination with inverter / charger

Standard battery packs for emergency lighting* NIMH packs

Model	V/Ah	Configuration	Dimensions	Layout
M202	2.4V/1.3Ah	2xAA-cell Row	32x16x51 (lxwxh)	<u> </u>
M203	2.4V/2.1Ah	2xA-cell Row	36x18x51 (lxwxh)	Ĵ
M204	2.4V/2.1Ah	2xA-cell Stick	18x102 (dxh)	(()
M303	3.6V/1.3Ah	3xAA-cell Row	48x16x51 (lxwxh)	
M304	3.6V/1.3Ah	3xAA-cell Stick	16x153 (dxh)	
M305	3.6V/2.1Ah	3xA-cell Row	54x18x51 (lxwxh)	
M401	4.8V/1.3Ah	4xAA-cell Stick	17x200 (dxh)	
M402	4.8V/1.3Ah	4xAA-cell Row	17x58x52 (lxwxh)	
M403	4.8V/2.4Ah	4xSC-cell Row	44x44x42 (dxh)	
M405	4.8V/2.1Ah	4xA-cell Stick	18x204 (dxh)	
M406	4.8V/1.3Ah	4xAA-cell Twix	102x16x32 (lxwxh)	
M407	4.8V/2.1Ah	4xAA-cell Row	64x16x51 (lxwxh)	
M501	6.0V/1.3Ah	5xAA-cell Stick	17x250 (dxh)	
M503	6.0V/1.3Ah	5xAA-cell Row	17x73x52 (lxwxh)	
M504	6.0V/2,1Ah	5xA-cell Stick	18x255 (dxh)	

NiCd packs

Model	V/Ah	Configuration	Dimensions	Layout
	<u>'</u>			
N203	2.4V/4.5Ah	2xD-cell Row	68x34x61 (lxwxh)	
N205	2.4V/4.5Ah	2xD-cell Stick	34x122 (dxh)	(()—-
N207	2.4V/1.5Ah	2xSC-cell Row	44x22x42 (lxwxh)	
N208	2.4V/1.5Ah	2xSC-cell Stick	23x84 (dxh)	(()—-
N209	2.4V/2.5Ah	2xC-cell Row	54x27x50 (lxwxh)	
N210	2.4V/2.5Ah	2xC-cell Stick	27x100 (dxh)	(()—-
N304	3.6V/2.5Ah	3xC-cell Row	80x27x50 (lxwxh)	
N306	3.6V/4.5Ah	3xD-cell Row	102x34x61 (lxwxh)	
N307	3.6V/2.5Ah	3xC-cell Stick	26x146 (dxh)	-
N309	3.6V/4.5Ah	3xD-cell Stick	34x183 (dxh)	
N314	3.6V/1.5Ah	3xSC-cell Stick	23x126 (dxh)	
N315	3.6V/1.5Ah	3xSC-cell Row	69x23x43 (lxwxh)	
N316	3.6V/2.2Ah	3x1/2D-cell Row	96x34x35 (lxwxh)	775
N404	4.8V/4.5Ah	4xD-cell Row	136x34x61 (lxwxh)	
N406	4.8V/4.5Ah	4xD-cell Stick	34x244 (dxh)	
N408	4.8V/1.5Ah	4xSC-cell Stick	22x172 (dxh)	
N410	4.8V/1.5Ah	4xSC-cell Row	88x22x42 (lxwxh)	jiji "
N411	4.8V/2.5Ah	4xC-cell Row	104x26x50 (lxwxh)	
N412	4.8V/2.5Ah	4xC-cell Stick	26x195 (dxh)	
N503	6.0V/1.5Ah	5xSC-cell Row	115x23x45 (lxwxh)	
N510	6.0V/1.5Ah	5xSC-cell Stick	23x215 (dxh)	
N504	6.0V/2.5Ah	5xC-cell Row	130x26x50 (lxwxh)	
N507	6.0V/4.5Ah	5xD-cell Row	170x34x61 (lxwxh)	
N509	6.0V/4.5Ah	5xD-cell Stick	34x305 (dxh)	
N512	6.0V/1.5Ah	2+3xSC-cell Row	44x22x42+69x22x42 (lxwxh)	ii iii
N513	6.0V/1.5Ah	2+3xSC-cell Stick	23x84 + 23x126 (dxh)	

*: Other customised configurations are available on request. More information on page 28 of this brochure, via sales@cellpowerbatteries.com, or ask your Cellpower distributor.



Cellpower Distribution network

Cellpower has a comprehensive global distribution network. These businesses will be able to advise you on choosing the correct battery for your needs. For the most current list of Cellpower distributors, please visit www.cellpowerbatteries.com/contact.

Contact

Cellpower distribution Europe

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