PowerXtreme

Proud experts in LiFePO4 batteries!

User Guide

PowerXtreme X210

LiFePO4 Battery 12V 210 Ah

With heating

Table of contents

Preface

This manual is intended for installers and users of the battery. Read and understand this manual carefully before installing, using or maintaining the battery. Only qualified personnel should install and maintain the battery. Improper use, other than as described in this manual, may lead to dangerous situations and will void the warranty. Keep this manual in a safe place near the battery, so it can be easily accessed in the future.

Target audience

This manual is intended for the individuals who install and/or use the battery.

Relevant documentation

The following documentation is available for the battery pack:

Document	Location
User Guide	This document
E04-X210-ENxx_MSDS Material Safety Data Sheet	See our website (www.emergoplus.com)

Used symbols

Safety information is indicated using various risk levels. Refer to the table for the meaning of the safety symbols in this manual:

Symbol	Meaning
⚠ DANGER	Indicates a situation that, if safety instructions are not followed, will result in serious injury or death
⚠ WARNING	Indicates a situation that, if safety instructions are not followed, could result in serious injury or death
⚠ CAUTION	Indicates a situation that, if safety instructions are not followed, could result in minor or moderate injury
NOTE	Indicates a situation that, if safety instructions are not followed, could result in battery damage

Other symbols in this manual are not related to safety. See the table for the meaning of the other symbols in this manual:

Symbol	Meaning
ⓘ Tip!	Information useful to some readers

1 Introduction

1.1 Intended Use

This battery is designed as a power source for a 12 VDC system. A maximum of 4 batteries of the same model can be connected in parallel.

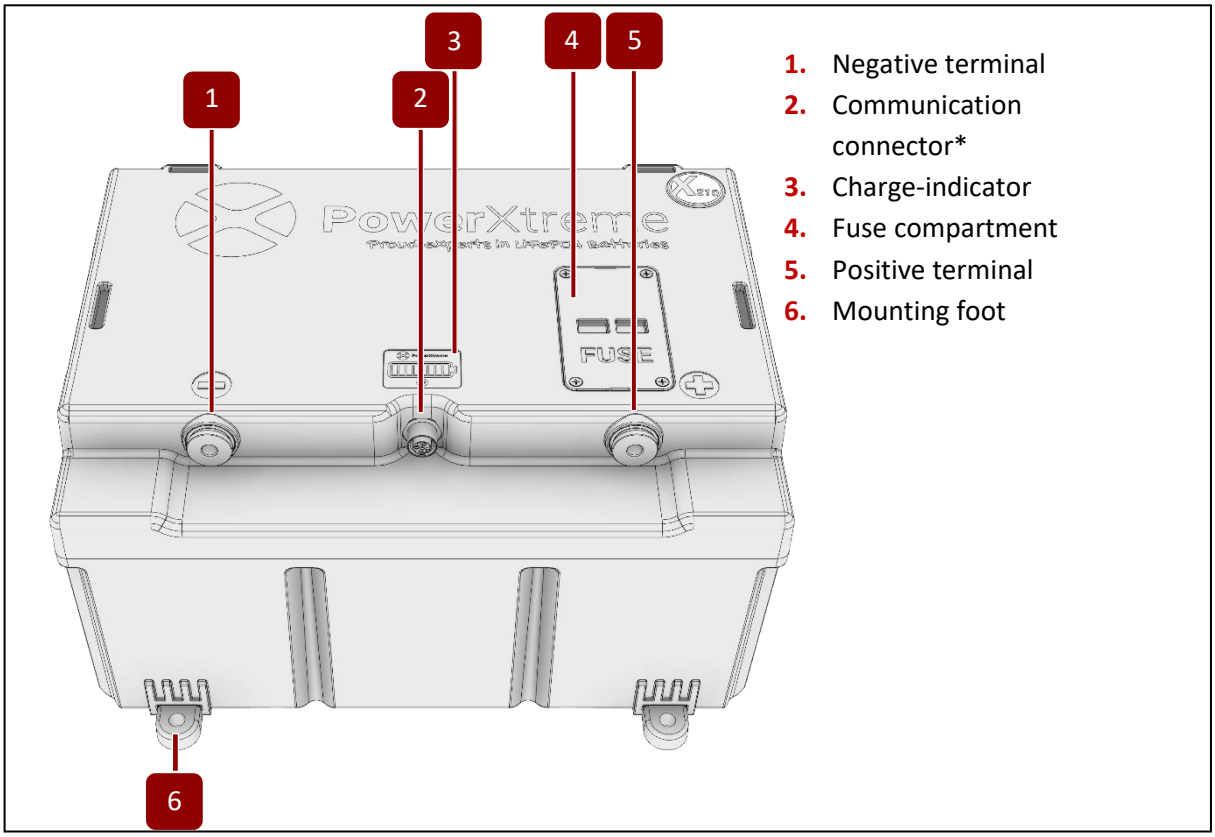
This battery is not intended as a starter battery.

Any use of the battery other than as described in this manual is considered unintended use and will void the warranty.

2 Product Description

The PowerXtreme X210 is a lithium iron phosphate battery, also known as LiFePO4 or LFP. The battery is highly suitable for installation in vehicles or vessels as an onboard battery, but can also be used unmounted. It is easy to install and is protected by an integrated Battery Management System (BMS) against overloading, overvoltage, undervoltage, temperature fluctuations and short circuits.

2.1 Main Components



1. Negative terminal
2. Communication connector*
3. Charge-indicator
4. Fuse compartment
5. Positive terminal
6. Mounting foot

* The communication connector is only used for specialized or professional applications. Always contact your supplier before using the communication connector.

2.2 Key Specifications

General	
Model	PowerXtreme X210
Cell chemistry	LiFePO4 (Lithium Iron Phosphate)
Lifespan	Minimum 3000 charge cycles (at 80% DoD)
Dimensions	330 × 230 × 170 mm
Weight	19.1 kg
Connection	Poles with M8 female thread
IP rating	IP65

Input (charging)	
Charging voltage	14.4 – 14.6 V
Max. charging current	150 A
Charging method	CC-CV

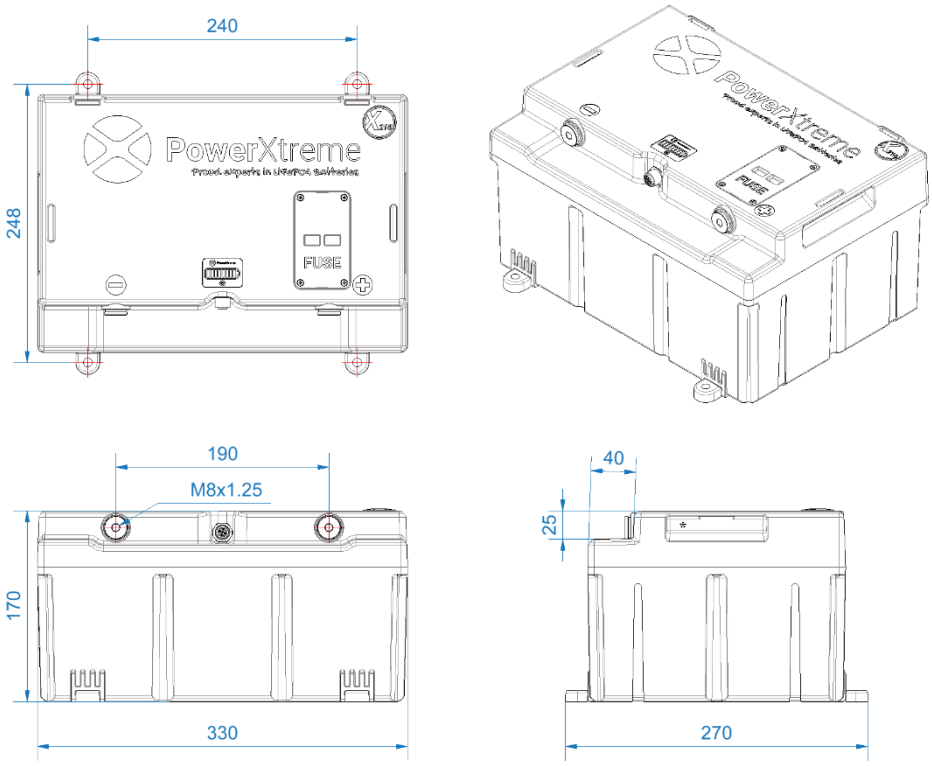
Output (discharging)	
Nominal voltage	12.8 V
End of discharge voltage	10.5 V
Capacity	210 Ah/ 2688 W
Nominal continuous current	250 A/ 3200 W
Short-term current (max. 30 sec.)	< 400 A
Peak current (max. 1 sec.)	< 750 A

Battery Temperature Specifications	
Charging Temperature (Heating Off)	0 – 45 °C
Charging Temperature (Heating On)	-30 – 45 °C (The battery heats up to above 0°C first)
Discharging Temperature (Heating Off)	-20 – 60 °C
Discharging Temperature (Heating On)	-30 – 60 °C (The battery heats up to above 0°C first; discharging is possible from -20°C)
Storage Temperature	-10 – 45 °C

If the battery temperature is outside the specified limits, the battery will not charge or discharge.

Safety and certification	
Internal security	Overcurrent
	Overvoltage and undervoltage
	Short circuit
	Protected against over- and under-temperature
Internal fuse	500 A
Certification	UN38.3/ MSDS/ CE UL1642 & UL9540A (cells)

2.3 Dimensions



* The mounting feet are removable.

3 Safety

3.1 Safety Features

The following safety features have been incorporated into the design of the battery:

- The **integrated battery management system** (BMS) protects the battery against overload, overvoltage, undervoltage and short circuit. In addition, The battery automatically switches off if the temperature is outside the operating range.
- The **internal fuse** (500 A) is an additional safety feature that protects the battery if the battery management system fails. In general, the BMS will intervene before the internal fuse is required.

3.2 Safety Symbols on the Battery

The following safety symbols are visible on the battery:

Symbol	Meaning
	Do not use near an open flame.

3.3 Safety Instructions

⚠ DANGER

Explosion danger! When connecting or disconnecting the battery, sparks may occur, which can ignite flammable substances.

Never use the battery in the presence of flammable gases or substances.

⚠ WARNING

The battery can deliver high currents, posing a risk of electric shock:

- Pay attention to polarity when connecting the cables. Never connect the cables to the wrong terminal.
- Never touch both battery terminals at the same time.
- Prevent unintended contact between conductive objects and the terminals.
- Do not submerge the battery in water or any other liquid.
- Keep the battery away from children and animals.
- When installing the battery in parallel, only combine batteries of the same model and capacity.

⚠ WARNING

The electrolyte in the cells is highly corrosive. In case of damage or improper use, the battery may leak. A leaking battery can cause injuries and is harmful to the environment:

- Avoid damage to the battery housing.
- Do not expose the battery to aggressive chemicals.
- Do not use the battery if it is damaged or defective.
- Do not disassemble or shred the battery when disposing it.
- Do not expose the battery to temperatures higher than 65°C or fire.
- Never touch the electrolyte.
- If you come into contact with the electrolyte, rinse thoroughly with plenty of water and seek medical attention.

NOTE

Risk of damage to the battery. Saltwater causes corrosion on the terminals:

- Do not expose the battery to saltwater or other corrosive liquids.

NOTE

Risk of damage to the battery. Incorrect use can cause damage to the battery.

- Do not use the battery as a starter battery.
- Never connect the battery in parallel with a different type of battery, such as directly to the wiring from a vehicle. Always use a charging system for this purpose.
- Do not place the battery in the engine compartment or any other location where the temperature may rise significantly.

NOTE

Risk of damage due to overheating:

- Keep the battery away from dust and dirt, and place it in a well-ventilated area. Never cover the battery with clothing or other flammable materials.

NOTE

Incorrect use can result in a shorter lifespan of the battery:

- Do not leave the battery connected to the charger for an extended period when it is already fully charged.
- Check that everything is turned off before storing the battery.

4 Storage and Transport

4.1 Storage

Only remove the battery from its original packaging when you need it. If you are storing a (used) battery for an extended period (such as during winter storage), store it as follows:

1. If the battery is installed in a vehicle or vessel, it can remain in place.
2. Charge the battery to at least 80% (see section 6.1).
3. Turn off the heating (see section 6.3.5).
4. Ensure that the battery does not discharge during storage. This can be done in one of the following ways:
    - Disconnect all wiring from one terminal:
    - If available, turn off the main switch:
    - Place the battery in storage mode* (see chapter 6.3.1).
5. Ensure that the environment around the battery meets the following conditions:
    - Clean and dry.
    - Temperature between -10 – 45 °C.
    - Humidity < 80% (non-condensing).
6. Charge the battery to at least 80% every six months to keep the battery in optimal condition.

* Ensure that the battery is not charged during storage, for example by solar panels, as this will cause the battery to exit storage mode.

NOTE

Risk of damage to the battery. If the battery remains in a discharged state for an extended period, it can become irreparably damaged. The battery is protected against undervoltage; however, if the battery is stored empty, it can become deeply discharged due to self-discharge (<3% per month).

4.2 Transport

⚠ WARNING

The battery is heavy and can become a projectile in the event of a collision if not properly secured. During transport, the battery must always be securely fastened so that it cannot move. If possible, transport the battery in its original packaging. Use fastening materials and ensure that the battery does not come into contact with other objects to prevent damage or injury. Transport is defined here as the act of moving the battery from one location to another, other than when the battery is in use.

NOTE

Risk of legal violation. Some regulations may impose restrictions on the transportation of this battery:

- Always check the locally applicable regulations.
- Check for any additional regulations when transporting a damaged battery.

The transportation of a lithium battery falls under hazard class UN3480, class 9, and packaging class P965, Chapter II.

5 Installation

5.1 General

The following is important for the installation:

⚠ WARNING

Always use the correct wiring with sufficient cross-section and properly sized cable lugs or battery clamps (to ensure no overheating or unnecessary losses occur). Always use the proper crimping tools to attach the cable lugs and follow the instructions from the cable lug manufacturer.

⚠ WARNING

Fire hazard! If the contacts are not properly secured to the terminals, this may cause sparks or the terminals may become very hot. Always tighten the contacts (M8 bolts) securely to the terminals. We recommend using a torque wrench (M8, 16 Nm).

⚠ WARNING

Never install batteries in series.

NOTE

Risk of short circuit. If the battery is directly connected to a starter battery and alternator, high currents may flow through the battery and wiring, potentially causing the wiring to melt or a fire. Always use a charge booster when charging the battery via the starter battery and alternator.

NOTE

The bolt length depends on the quantity and thickness of the cable lugs. To ensure a proper connection, the bolt must be screwed in at least 5mm into the terminal. The bolt should not be screwed more than 10mm into the battery terminal. A bolt that is too long can cause irreversible damage.

NOTE

We recommend using electrogalvanized (ELVZ) M8 bolts.

ⓘ Tip! Use a red cable for the positive (+) and a black cable for the negative (-).

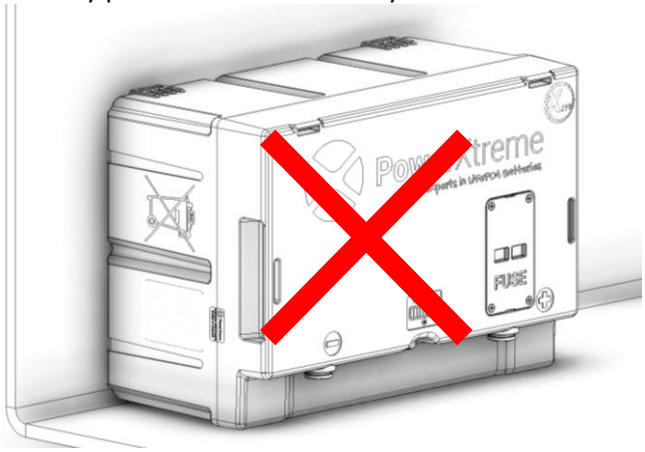
5.2 Installation Location

The installation location must meet the following requirements:

- Shielded from weather conditions.
- Sufficient ventilation for the battery.

NOTE

Do not install the battery with the poles facing down. The position shown in the image below is the only position how the battery should not be installed.



5.3 Contents of the Package

Check that all components are undamaged and present in the packaging. Refer to the table below for the contents.

Quantity	Part
1×	Battery
4×	Mounting feet
1×	Interior sticker

Report missing or damaged parts to your supplier.

5.4 Fixing

⚠ WARNING

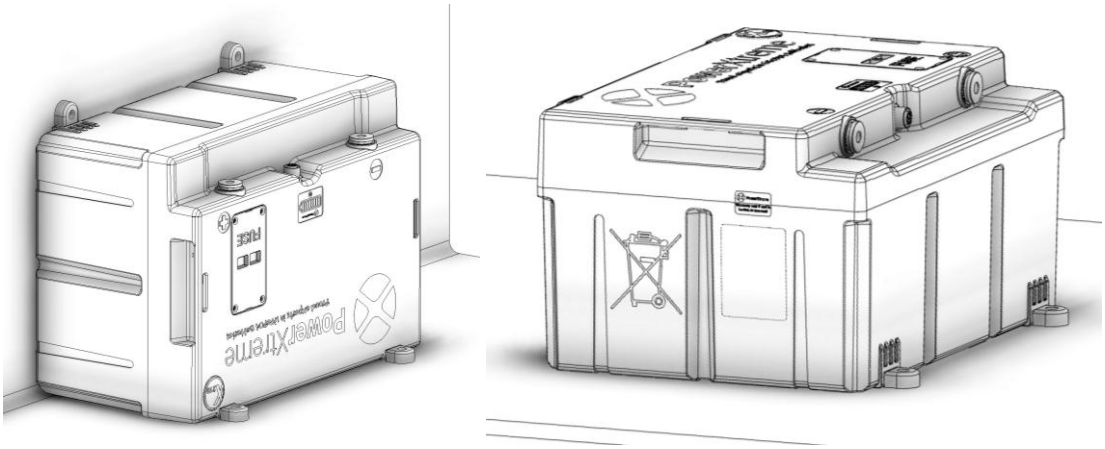
Risk of a dangerous situation! The battery can become a projectile in the event of an accident if it is not securely fastened. Always secure the battery when installing it in a vehicle.

The battery can be used either free-standing or fixed. If you do not wish to fix the battery, you may skip this section.

The surface on which you want to fix the battery must be strong enough to support its weight.

Secure the battery as follows:

1. Place the mounting feet into the mounting foot holders.
2. Mount the battery by securing it through the holes in the mounting foot holders. Use a mounting method appropriate for the weight of the battery and the surface on which you are mounting it.



5.5 Parallel Connection

To increase the capacity, up to a maximum of 4 batteries of the same model can be connected in parallel. Note that the voltage of the batteries must be equal when connecting (maximum 0.5V difference). If you wish to connect more than 4 batteries in parallel, please contact the supplier. The following image shows how the batteries should be connected in parallel.

NOTE

When batteries with heating are used in parallel, the heating must be set to the same mode on all batteries. If batteries with and without heating are combined, the heating on the batteries with heating must always remain turned off.

NOTE

When connecting the batteries in parallel, an external fuse must always be installed in the outgoing wiring.

NOTE

When using more batteries in parallel, the wiring must be dimensioned and specified in accordance with the maximum current that the parallel bank can deliver.

5.6 Charging Test after Installation

To verify that the battery and charger are correctly installed, it is important to perform several charging tests after installation. Fully charge the battery using the designated charger; the battery should reach a voltage between 14.4 and 14.6 volts and then enter Standby mode. This will be visible in the status overview of the app. Afterward, perform the same test using the booster and the solar panels. If the battery does not fully charge during any of these tests, it may indicate an incorrect setting in the installation.

6 Use

⚠ WARNING

Risk of electric shock! A battery can carry a large current:

- Never touch a terminal of a battery while it is connected.
- Never touch both terminals of a battery at the same time.

⚠ WARNING

Risk of injury! Using a damaged battery poses a danger to your health:

- Never use a damaged battery.
- Never touch any liquid that leaks from the battery.

For the first use of the battery, it must be fully charged to a voltage of 14.4 – 14.6 V. This is to check if the installation is working correctly.

6.1 Charging the Battery

For charging, you will need a battery charger. The shore power charger (booster and solar panels) must meet the following requirements:

- Suitable for LiFePO4 lithium batteries.
  - Charging voltage of at least 14.4V and at most 14.6V.
  - Equipped with a restart charging function (pulse function).
  - CC-CV charging characteristic.
  - Stops charging when the battery is full.

NOTE

The battery will not start charging if the battery temperature is below 0°C. (The battery is protected against this.) When the heating is turned on, the battery will heat itself to above 0°C, as long as the battery temperature is not lower than -30°C. (See section 6.3.5 for an explanation of the different heating settings.)

NOTE

Risk of high currents. If you connect the battery directly to a starter battery and alternator, very high currents can flow to and from the battery. Always use a charge booster if you want to charge the battery via the starter battery and alternator.

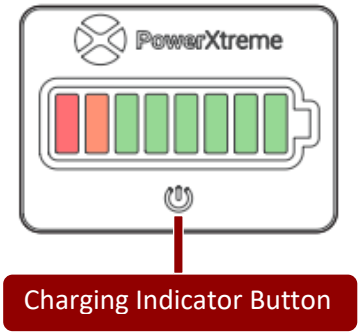
Charge the battery as follows:

1. Connect the positive terminal of the charger to the positive terminal of the battery.
2. Connect the negative terminal of the charger to the negative terminal of the battery.
3. Connect the battery charger to the mains power by plugging it into an electrical outlet or connecting it to an integrated onboard system.

The battery can also be charged using solar panels. Follow the instructions in the user manual of the solar panels. Ensure that a charger suitable for lithium batteries is used.

ⓘ Tip! The XS20s MPPT solar charger with solar panels from our range is a highly suitable solar charger for this battery.

6.2 Explanation of the Charging Indicator

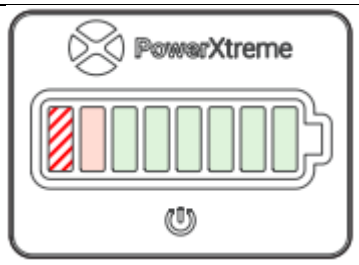
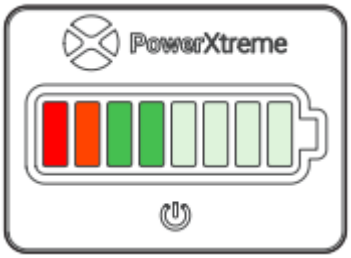
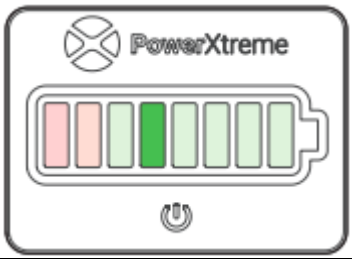


Use the charging indicator as follows:

1. Press the button on the charging indicator to check the battery status.
   * This button cannot be used to turn the battery on or off.

The battery status is displayed as follows:

- If the red LED is blinking, the battery capacity is lower than 5%.
- If the battery is not connected to a charger, the LEDs light up until the LED of the current charge level.
- If the battery is connected to a charger, the indicator lights up completely with an increasing pattern and briefly shows the current charge level.

		
< 5 %	Current charge level	Current charge level (when charging)

6.3 PowerXtreme Pro App

In the PowerXtreme Pro app, you can check the status of your battery on your phone or tablet.

PowerXtreme PRO

www.powerxtreme.eu/powerxtremeproapp

Use the app as follows:

1. Download the app from the App Store or Play Store onto your device.
2. Turn on Bluetooth on your device.
3. On an Android device, enable location services.
4. Open the app.
5. If necessary, grant the app permission to use Bluetooth.

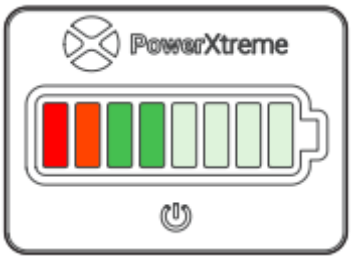
The main screen of the app will appear, displaying a list of all Bluetooth devices within 5 meters of your device.

6. Look for a name in the list with the following format: “X210-********”.

ⓘ Tip! If you have changed the Bluetooth name yourself, the battery will appear with this name in the list. Use the Refresh button if your battery is not visible in the list.

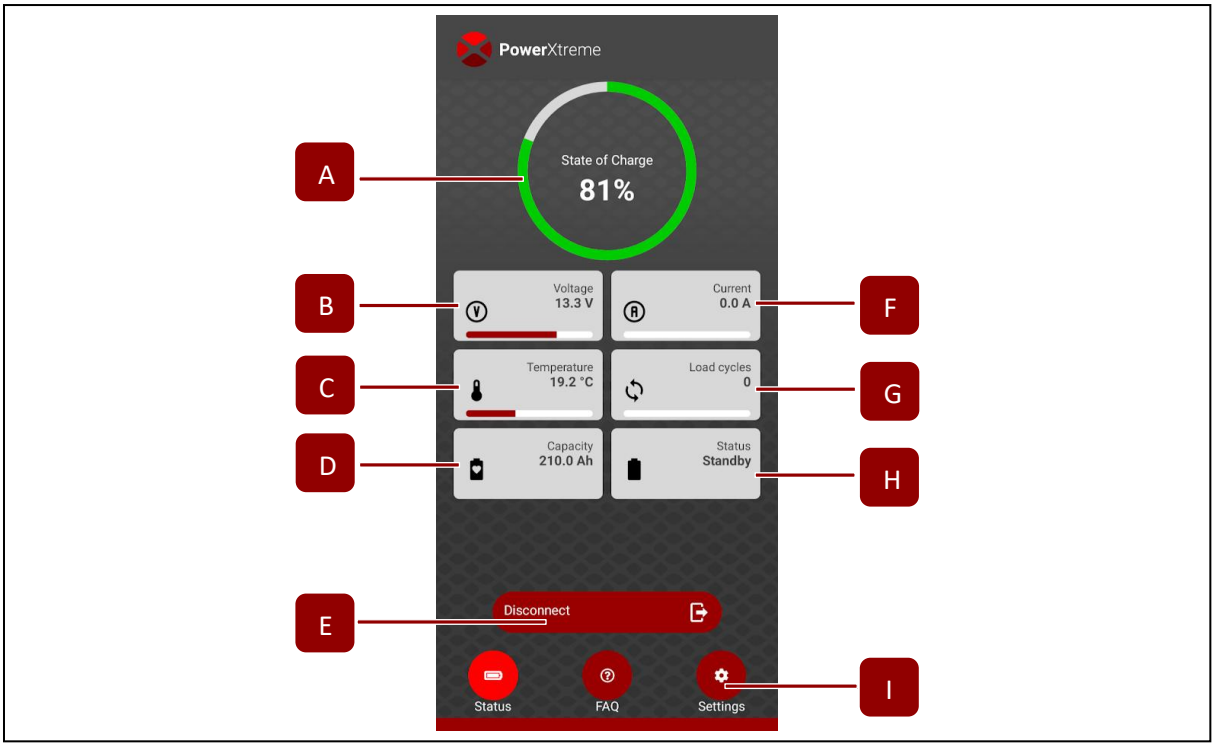
7. Select your battery.

Once the app connects to the battery, the battery's charge indicator will light up to the current charge level. After a short period, the indicator will turn off, indicating that you are connected to the battery.



6.3.1 Status

The battery summary appears.

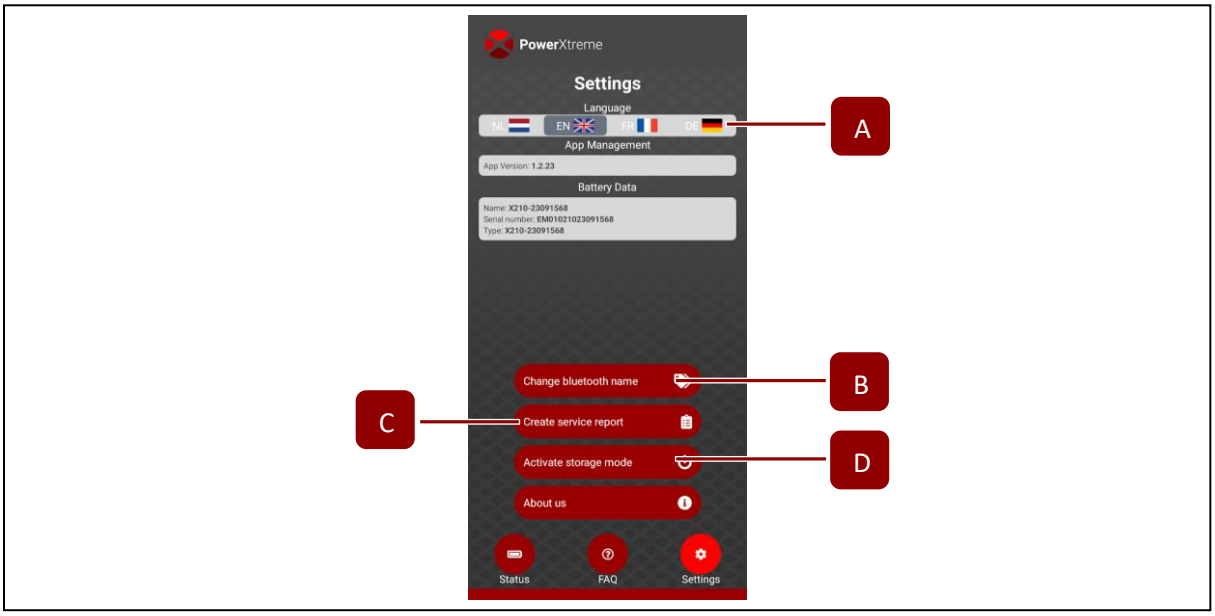


	Data	Meaning		
A	State of Charge	The current charge level of the battery.		
B	Voltage	Battery voltage.		
C	Temperature	Current temperature of the battery.		
D	Capacity	Current capacity of the battery.		
E	Disconnect	The button to disconnect the Bluetooth connection between the device and the battery.		
F	Current	Current through the battery (red = discharging, green = charging).		
G	Load cycles	Number of charge/discharge cycles.		
H	Status	Status of the battery	Standby	Battery is ready to use.
			Charging	The battery is charging.
			Discharging	Power is being drawn from the battery.
			Save mode	The battery is in save mode.
			Short circuit	A short circuit has occurred in the battery pack (chapter 8).
			Too cold to charge	Battery temperature is too low to start charging.
			Too cold to discharge	The battery temperature is too low to supply power
I	Settings button	Settings of your battery (see chapter 6.3.2).		

6.3.2 Settings

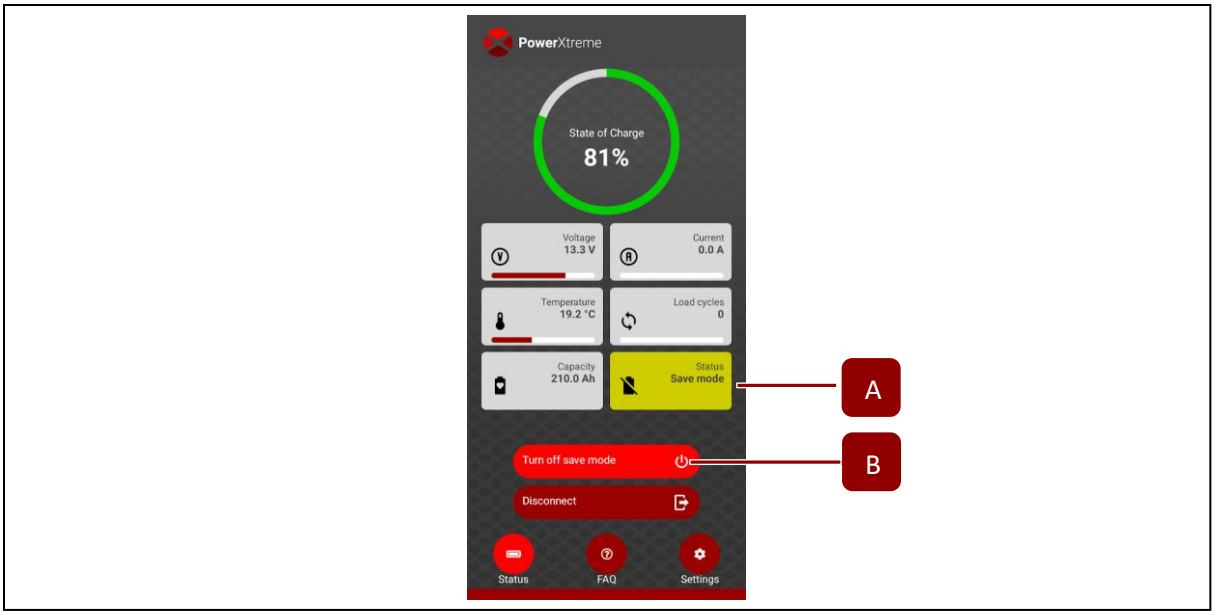
Change the settings as follows:

- Press *Settings* in the battery overview.



	Data	Meaning
A	Language	Change the language of the app
B	Change Bluetooth name	Change the name of the battery
C	Create service report	If necessary, a service report can be created
D	Activate storage mode	Turning save mode on or off

6.3.3 Save mode

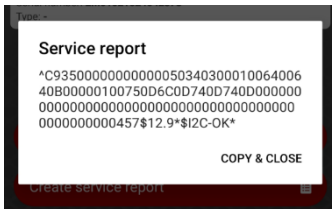


	Data	Meaning
A	Status	The status indicates that the battery is in save mode
B	To turn off save mode	The battery can be taken out of save mode

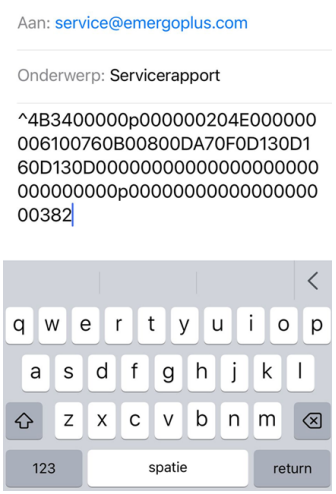
6.3.4 Create service report

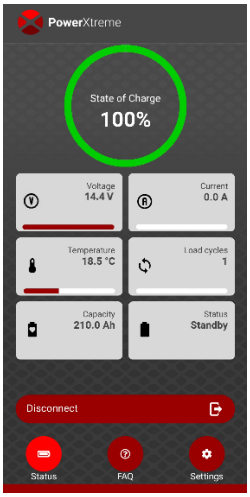
ⓘ Tip! For the most accurate service report, it is best to create it shortly after the battery is fully charged. The battery is considered sufficiently charged when the voltage displayed in the app is at least 14.4 V.

- After clicking the 'Create Service Report' button, this screen will appear. Copy the code by clicking 'Copy & Close'.



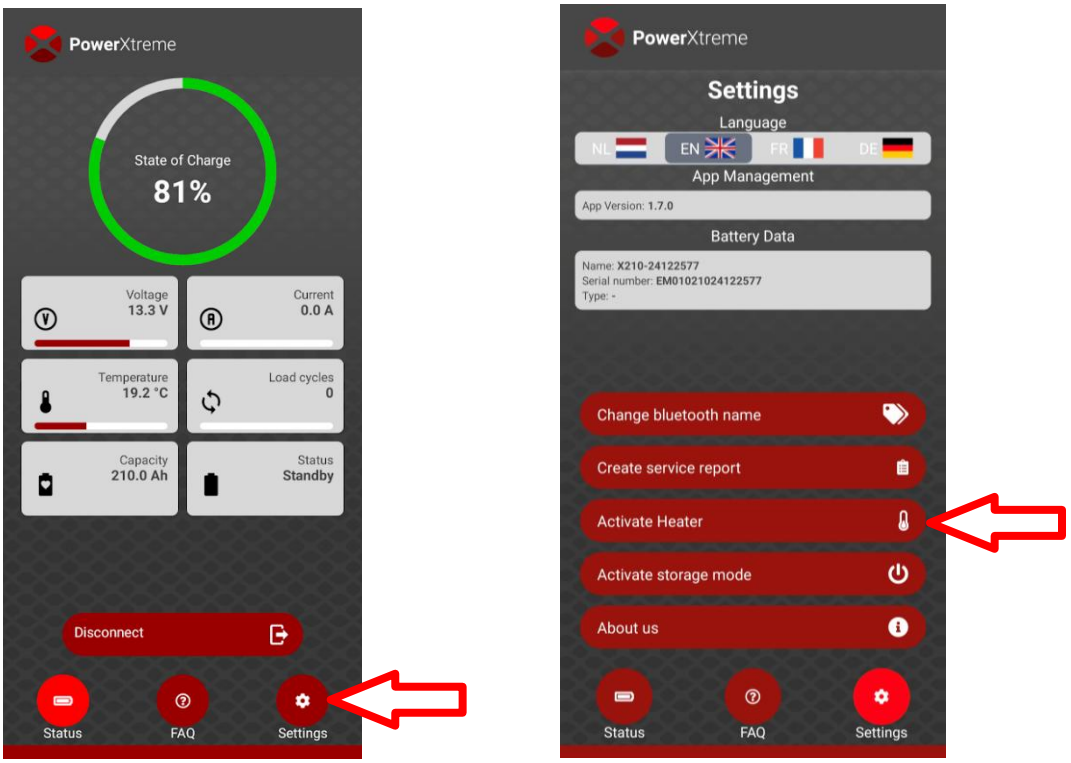
- Create a new email and paste the code into the email. Send this email to service@emergoplus.com. Also include the following in the email: serial number, description of the issue, and a screenshot of the battery overview in the app showing the charge level and voltage.



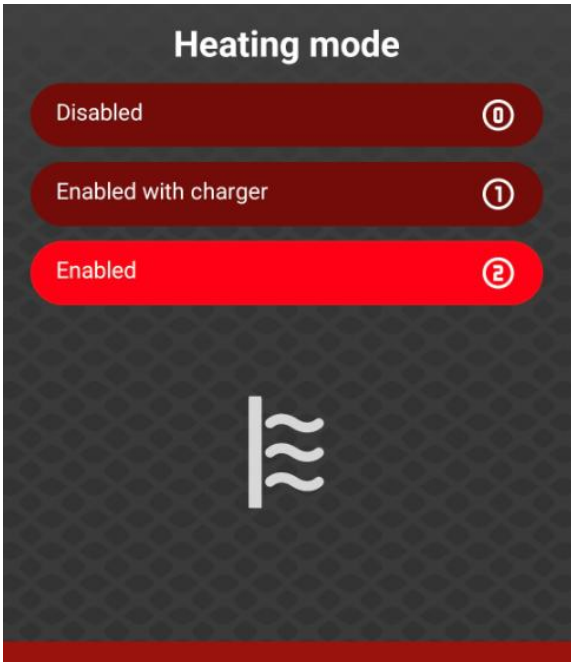


6.3.5 Activating Heater

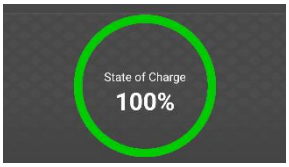
To activate the heating, click on 'Settings' in the bottom right corner of the app.
The settings menu will appear, where you can select 'Activate Heater'.
The heater option is only displayed for X210 models with heating; this function is not visible for batteries without heating.



After opening the heating function, the following screen will appear, where you can choose from 3 options. The bar of the active setting will turn light red.

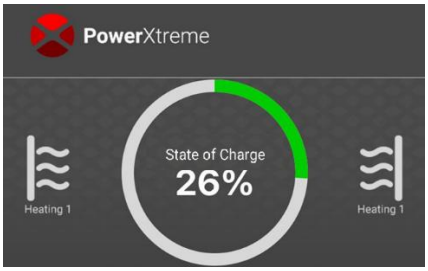


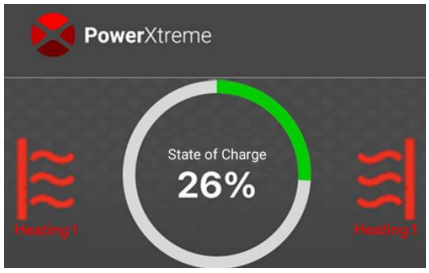
Option 0: Disabled



Heating is off; no heating icons will appear next to the charge level indicator in the app's status overview.

When one of the heating functions is activated, two heating icons will appear on the main screen of the app, along with the current setting below. If heating is not active, the icons will be grey; when heating is active, they will turn red.





Option 1: Enabled with charging current

If the battery temperature is between -30°C and 0°C, this setting maintains the battery temperature between 2°C and 4°C, using the external charger. Once charging current is available, the battery will first be heated to above 0°C before charging begins.

ⓘ Tip! If the consumption exceeds 3 amps, the heating cannot be activated. It may be necessary to turn off one or more consumers.

Option 2: Enabled

This setting maintains the battery temperature between 2°C and 4°C using the external charger and/or the battery's own energy. If an external charger is available, it will be used for heating. If the external charger is not present, energy from the battery will be used to keep the battery above 0°C. If the charge level drops below 50%, the heating elements will turn off to prevent the battery from draining. Heating will only occur below 50% if charging current is present.

ⓘ Tip! It is recommended to use a charger with a charging current of more than 8 amps. If the charging current drops below 6 amps (e.g., when using solar panels on a cloudy day), there will not be enough power available to support both the heating (5 amps) and charging of the battery. Therefore, it is advised to use shore power for charging during cold weather, when temperatures are below zero degrees.

ⓘ Tip! Do not leave the heating on setting 2 when the battery is not in use. If the heating remains activated, it may lead to unwanted energy consumption at temperatures below 0°C.

7 Maintenance, Inspection and Cleaning

7.1 Maintenance

The battery does not require special maintenance; it is maintenance-free, but it should be charged to at least 80% every six months.

7.2 Inspection

Check the wiring and connections at least once a year. Immediately address any issues such as loose connections, melted cable insulation, or burned cables.

The battery should be replaced with a new one, if you find that the capacity has declined to the point where it causes issues. This could be the result of a defect that can be repaired. To verify this, you can send a service report to the manufacturer.

> **⚠ WARNING**
> Never touch the liquid (electrolyte) from a damaged battery.

7.3 Cleaning

If necessary, clean the battery with a damp cloth.

> ***NOTE***
> Do not make contact with the battery terminals. If necessary, disconnect the cables.
>
> ***NOTE***
> Never use solvents or abrasive materials to clean the battery.

8 Malfunction

This table provides an overview of solutions for potential issues with the battery. If you cannot resolve the issue using this manual, please contact your supplier. Be sure to have the following information ready: the specific model of the battery, the quantity, the serial number, the supplier, the purchase date and a copy of the original invoice.

Problem	Possible cause	Possible solution
The battery does not discharge and there is no voltage on the terminals	The battery is in storage mode	Exit storage mode (section 6.3.1)
	The battery is too low (< 5%)	Charge the battery (section 6.1)
	Battery temperature is below -20 °C or above 60 °C	Bring the battery within -20°C and 60°C
	The app indicates a short circuit or overload	Resolve the overload or short circuit and briefly connect a charger
The battery does not charge	Battery temperature is below 0 °C or above 45 °C	Bring the battery within 0°C and 45 °C (See section 6.3.5 for heating)
	The charger is not compatible with the battery	Check the charger specifications as per section 6.1
	The charging current is too low	Ensure sufficient charging current
There is no voltage on the terminals and the orange LED is flashing	Battery is in storage mode	Exit storage mode (section 6.3.1)
The charge indicator shows nothing when pressing the button	The battery is completely empty (risk of irreversible damage)	Charge the battery (section 6.1) and eliminate standby power draw*
The battery is not visible in the app or connection fails	The battery is completely empty (risk of irreversible damage)	Charge the battery (section 6.1) and eliminate standby power draw*
	Battery is not within range of your device	Make sure the battery is within 5 meters of your device
	Bluetooth is turned off on your device	Enable Bluetooth on your device
	Another device is connected to the battery	Disconnect the battery on the other device
The fuse has blown	Possible internal fault caused by an external issue	Contact your supplier

* Standby power draw is the energy consumption from systems or devices that continuously draw (minimal) power, even when the camper is not in use. This includes, for example, inverters, solar charge controllers, or other devices in standby mode. This can gradually drain the battery.

9 Warranty and Liability

EmergoPlus B.V. guarantees that the PowerXtreme X210 is manufactured in accordance with all legally applicable standards and requirements. All batteries are thoroughly tested and inspected during and before delivery. Failure to comply with the instructions and provisions in this manual may result in damage and/or the product not performing to specification, which may void the warranty. The standard warranty period is 2 years. If you register your battery within six months of purchase (via https://emergoplus.com/register/), the warranty period is extended to 5 years.

9.1 Warranty Period

EmergoPlus B.V. guarantees that for a period of 5 years (*after registration within 6 months of purchase), the product will be free from material and manufacturing defects under normal use, installation, maintenance and storage (storage being defined as periods during which the product is not in use for its intended purpose). The warranty starts from the date of purchase (invoice date). This warranty is non-transferable upon resale.

9.2 Exclusions

This warranty does not apply to: (a) Wear, corrosion, discoloration and aging due to normal use and storage; (b) Damage caused by incorrect and/or improper maintenance; (c) Damage caused by external sources such as fire, (submersion in) water, moisture, fluids, ice, improper application, drops, neglect or misuse (including use contrary to instructions provided by EmergoPlus B.V.).

9.3 Warranty Claims

If you wish to make a warranty claim, you must notify the point of purchase where you bought the product of the defect within a reasonable time after discovering it, but in any case before the end of the warranty period. You may also contact the headquarters of EmergoPlus B.V. When claiming the warranty, the product (or the defective part) and the warranty certificate obtained through registration, or the original purchase receipt, must be provided.

- The warranty will be void if the product is not used in accordance with the instructions provided in this manual or if repairs are carried out without prior authorization.
- The battery must not be opened. The warranty becomes void if the battery has been opened or if the warranty seal has been broken.
- The customer is responsible for the return shipping costs.
- Defective batteries that are returned within the warranty period and fall under warranty will be repaired or replaced and returned to the customer free of charge.

EmergoPlus B.V. cannot be held liable for:

- Damage resulting from battery usage.
- Potential errors in this manual or their consequences.
- Usage incompatible with the product’s purpose.

The information in this document is subject to change without notice. EmergoPlus B.V. is not liable for technical errors or omissions in this document. The purchased product may differ from what is described in this manual.

EmergoPlus B.V.'s liability is limited to the cost of repair and/or replacement of the product under warranty. The battery must be delivered to EmergoPlus B.V. In case of replacement, the warranty period begins from the original purchase date. EmergoPlus B.V. is not liable for loss of profit, consequential damage, indirect damage or other special damages. This warranty does not affect your legal rights as a consumer and is valid and enforceable only in the country of purchase.

10 Disposal

⚠ WARNING
Risk of injury. The battery contains substances harmful to human health. Do not dismantle or shred the battery during disposal.

⚠ WARNING
Failure to follow the instructions in this manual may result in injury or product damage. Ensure that this manual, a copy, or reference is provided if reselling the battery.

If the battery is defective, first contact your supplier — it may still be repairable.

If you need to dispose of the battery:

1. If not defective, discharge it as much as possible.
2. Insulate the terminals with electrical tape or other protective material.

ⓘ Tip! You can also return a defective battery to your supplier or a certified recycling facility for proper disposal. Contact your supplier for specific conditions and costs.

NOTE
This is a lithium battery and improper disposal may harm the environment. Do not dispose of the battery with household waste.

3. Dispose of the battery in accordance with local and national regulations.

11 EU Declaration of Conformity

EU DECLARATION OF CONFORMITY

1. **Product model:**
   PowerXtreme X210
2. **Name and address of the manufacturer or his authorized representative:**
   EmergoPlus B.V.
   Informaticastraat 20
   4538 BT Terneuzen
   The Netherlands

3. **This declaration of conformity is issued under the sole responsibility of the manufacturer.**
4. **Object of the declaration**

Description:	Lithium ION LiFePO4 Battery
Brand name:	PowerXtreme
Model/type:	PowerXtreme X210
Rating:	12.8V 210Ah 2688Wh

5. **The object of the declaration described in point 4 is in conformity with the relevant Union harmonization legislation:**
   EMC Directive 2014/30/EU
   Low Voltage Directive 2014/35/EU
   RED Directive 2014/53/EU

6. **References to the relevant harmonized standards used, or references to the specifications in relation to which conformity is declared:**

EMC:	IEC 61000-6-3:2021
	IEC 61000-6-2:2019
LVD:	IEC 62619:2022
RED:	EN 300 328
	EN 301 489-1
	EN 301 489-17
	IEC 62479:2010

Signed for and on behalf of:

Terneuzen, 01 February 2024

EmergoPlus B.V.

Dick van Wijck, CEO

Document: E03-EM010210-EN00_X210 EU Declaration of Conformity

EmergoPlus B.V.
Informaticastraat 20
4538 BT Terneuzen,
Nederland
www.emergoplus.com
info@emergoplus.com

Original manual English
E09-X210+H-EN00_Manual
V0 - July 2025

PowerXtreme