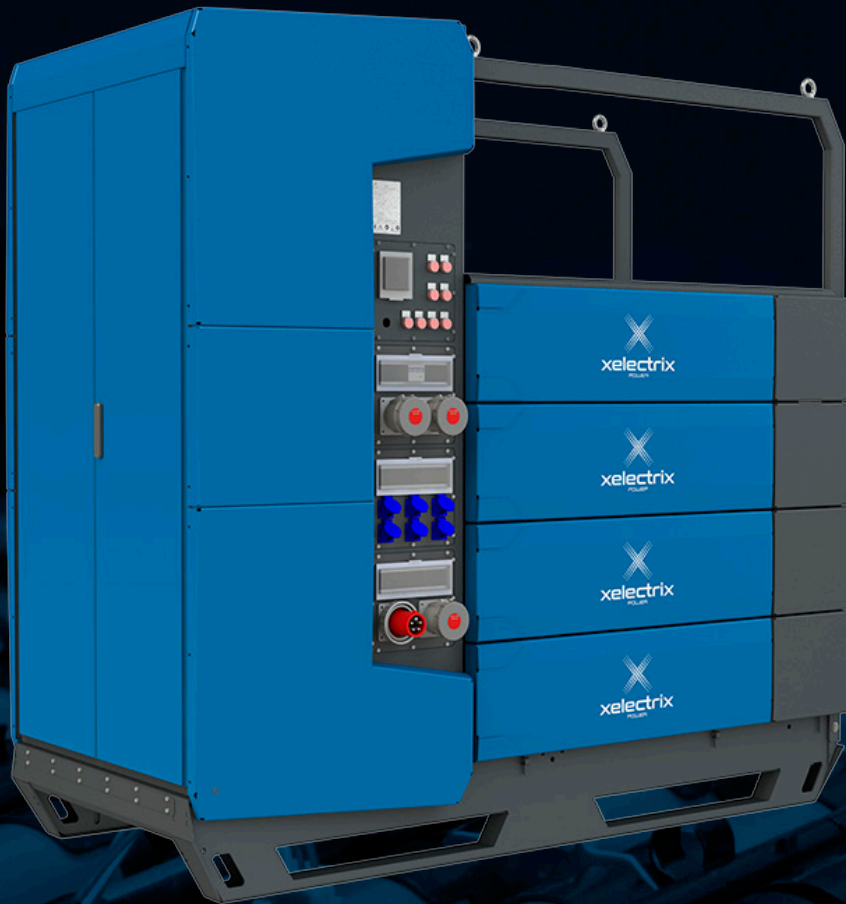




**xelextrix**  
POWER

# POWER BOX DISCOVER NEW ENERGY

xelextrix energy storage solutions



**ENERGY  
OPTIMIZATION  
STORAGE  
CONTROL**



xelectrix

# POWER BOX UNLIMITED

Innovative. Stand alone. Multi-functional high voltage  
ESS (Energy Storage Systems).

**Global energy requirements, consumption and prices are increasing. The continued supply of electricity to meet global requirements can no longer be guaranteed.**

After years of intensive research in battery and power control, the xelectrix Power Box range is here! “Engineered in Austria”, the product is a multi-functional, modular system featuring our Parallel Platform Technology and our unique inverter concept.

DISCOVER NEW ENERGY is what the company stands for.

## COMPANY

Committed to environmental protection | Desire to lead the energy transition | Dynamic and motivated

## INNOVATION

Best team in the industry | Solution driven | Always one step ahead | Technology for the future

## PRODUCT

Industry leading features | Design and Know-How under one roof | Plug & Play | Built to be tough and reliable | Engineered in Austria

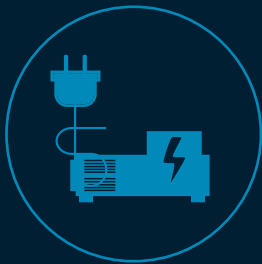
## CUSTOMER ORIENTATION

Best factory support | Professional and dedicated distribution partners | Helping you and the environment

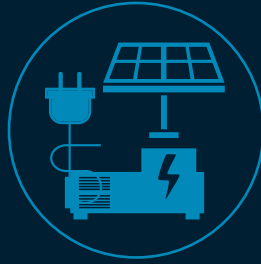


## POWER BOX APPLICATIONS

### XPB OFF-GRID



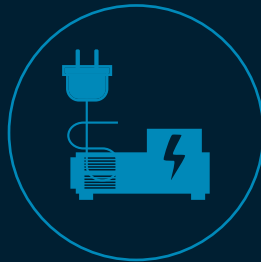
- ◆ Hybridization of Generators



- ◆ Construction Sites
- ◆ Mining



- ◆ Telecommunication



- ◆ Disaster Management
- ◆ Events and Exhibitions

### XPB ON-GRID



- ◆ Grid Operators
- ◆ Energy Trading



- ◆ Business & Industry
- ◆ Residential



- ◆ Charging Infrastructure



- ◆ LEC - Local Energy Community
- ◆ Centralized Storage

## POWER BOX WHAT THE POWER BOX CAN DO FOR YOU

PEAK  
SHAVING

LOAD  
SHIFTING

RE  
OPTIMIZATION

PEAK  
POWER  
BOOST

BACKUP  
POWER

GENSET  
CONTROL

BLACK  
START

GRID  
STABILIZATION

ENERGY  
TRADING

MICRO  
GRID

LEC

CHARGE  
SHIFTING

GRID  
CONNECTION

REACTIVE  
POWER  
COMPENSATION

UNBALANCED  
LOAD  
ACCEPTANCE

UPS



## POWER BOX ALL IN ONE SYSTEM

We have combined the best battery technology with innovative internal performance measuring components to form a complete system that allows larger storage capacities behind only one inverter.

### FEATURES

#### SAFE

By using our in-house designed, intrinsically safe LiFePO<sub>4</sub> battery cells with an integrated thermally triggered extinguishing system, we set a completely new standard when it comes to safety.

#### PARALLEL PLATFORM TECHNOLOGY

Power source energy combined and added with the power from the on-board XPB inverter.

#### MODULAR & EXPANDABLE

Single units with a wide range of storage options, with the possibility of removing or adding battery modules in a quick and easy way to suit your application.

#### UNIQUE BI-DIRECTIONAL HYBRID INVERTER

In-house designed interface technology allowing the Power Box to charge and discharge using only one inverter.

#### UNIQUE ACTIVE BATTERY MANAGEMENT SYSTEM (aBMS)

Monitoring and controls to actively ensure maximum battery life spans and optimum efficiencies are achieved.

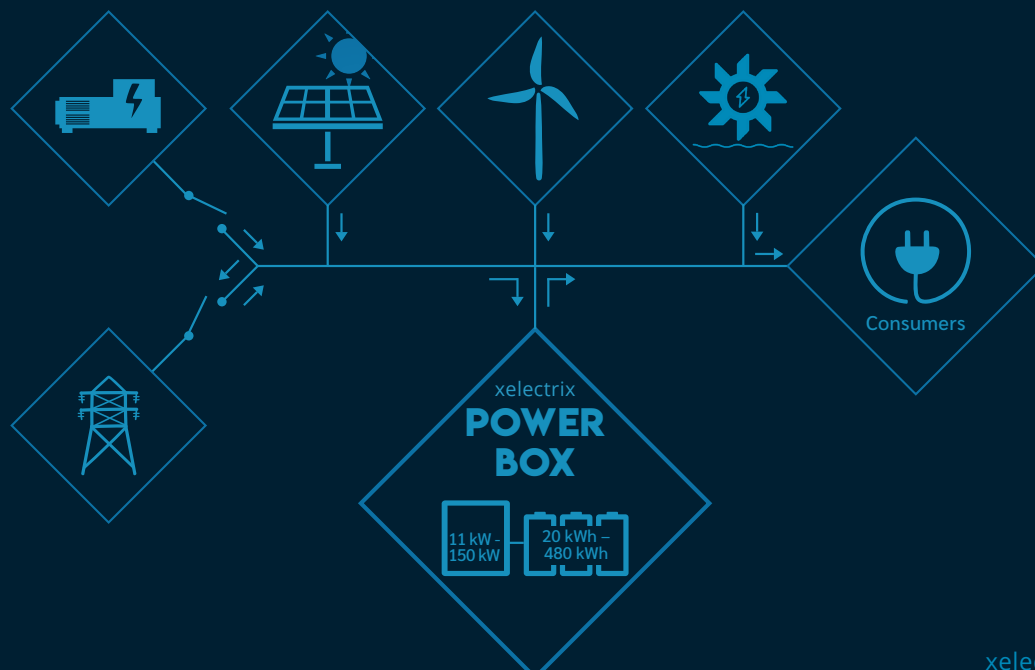
### BENEFITS

- ◆ Substantial reduction of CO<sub>2</sub> emissions
- ◆ Massive cost savings when used in combination with generators: Fuel reduction of up to 40% and maintenance and operating costs of up to 50%
- ◆ Smaller diesel generators can be used
- ◆ High efficiency grade
- ◆ High ROI with short payback time
- ◆ High performance with durability
- ◆ Multi-functional and modular expansion
- ◆ Highest safety standards with International Certification



## POWER BOX PLUG & PLAY

Easy installation due to our Parallel Platform Technology (grid-parallel) so that with or without PV / wind energy supply, it is simple to integrate the Power Box into existing electrical infrastructures.



## WALL RANGE

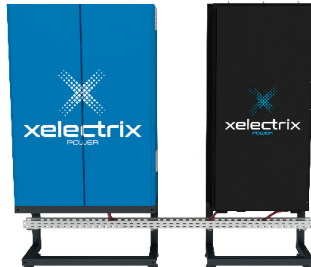
(with Backup Function, indoor only)

### XPB-W11

11 kW (20-40 kWh)

### XPB-W35

35 kW (40 kWh)



## PRO RANGE

(with Backup Function, in- and outdoor)

### XPB-P11

11 kW (20-120 kWh)

### XPB-P35

35 kW (40-120 kWh)



reddot winner 2021  
industrial design

## BASIC SPLIT RANGE

(with or without Backup Function, indoor only)

### XPB-B11

11 kW (40-240 kWh)

### XPB-B35

35 kW (60-240 kWh)

### XPB-B80

80 kW (100-240 kWh)



ENGINEERED  
IN AUSTRIA

## UNLIMITED RANGE

(with Backup Function, In- and Outdoor)

### M10

35 kW (60-240 kWh)

80 kW (100-240 kWh)

150 kW (180-240 kWh)



## UNLIMITED RANGE

(with Backup Function, In- and Outdoor)

### M20

35 kW (240-480 kWh)

80 kW (240-480 kWh)

150 kW (240-480 kWh)





POWER BOX

# NOT ALL ESS'S ARE CREATED EQUAL

Offering market unique designs and technologies that enable our partners to offer value adding solutions that no one else can.

- ◆ 3-phase AC coupled storage system
- ◆ Grid parallel (on-grid) or as independent island system (off-grid)
- ◆ Storage capacity from 20 kWh up to 480 kWh (per inverter)
- ◆ Inverter power scalable from 11 kW to 150 kW (per unit)
- ◆ High voltage LiFePO<sub>4</sub> battery pack with screwed cells (650 V nominal voltage)
- ◆ Active Battery Management System (aBMS)
- ◆ Up to 8000 charging cycles depending on the application
- ◆ Battery safety: self-securing cells, integrated extinguishing system in each battery pack
- ◆ Backup Power / formation of an emergency power system during blackouts
- ◆ Continued operation and control of PV systems during blackouts
- ◆ Hybridization of diesel generators (increasing efficiency, CO<sub>2</sub> reduction)
- ◆ 100 % unbalanced load acceptance
- ◆ Parallel Platform Technology / power addition with other energy sources
- ◆ Plug & Play / connection preparation for uncomplicated installation
- ◆ Reactive Power Compensation
- ◆ Performance guarantee: at least 70 % of the usable energy for 10 years
- ◆ Engineered in Austria

Subject to technical modifications. Layout and printing errors excepted.

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Plug & Play



Cost Savings



CO<sub>2</sub>



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