



**ENERGY.
ANYTIME.
ANYWHERE.**



Plug & Play



Cost Savings



CO₂

**ENERGY STORAGE
SOLUTIONS**



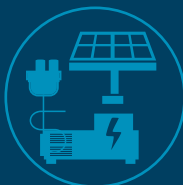
XELECTRIX POWER SOLUTIONS

SELF-SUFFICIENT OFF-GRID & MICROGRIDS

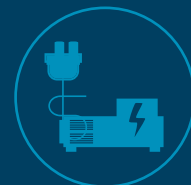
LOW EMISSIONS DIESEL GENSET HYBRIDIZATION



- ◆ A unique design, calculation and analysis software tool for designing energy business models
- ◆ Upload or generation of generic / real load and yield curves
- ◆ Technical and economical evaluation: CO_2 , LCOE, ROI, Cash Flow, etc.
- ◆ Including e-mobility charging infrastructure module



- ◆ Decentralized Storage and Microgrids
- ◆ Integrated galvanic isolation (DZn0 transformer) for optimum safety
- ◆ Low impedance in hybrid and island mode
- ◆ Robust grid-forming ability



- ◆ Adaptive frequency adjustment
- ◆ Plug & Play Connections
- ◆ Ability to connect to a diesel generator 10 x the storage system power
- ◆ Decreased fuel consumption, greenhouse gas and noise emission

PEAK
SHAVING

LOAD
SHIFTING

RE
OPTIMIZATION

PEAK
POWER
BOOST

GENSET
CONTROL

ISLAND
MODE

UNBALANCED
LOAD
ACCEPTANCE



COST SAVING

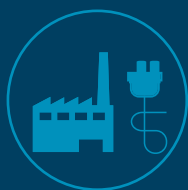
ON-GRID & RENEWABLES

INDEPENDENT

MOBIL POWER & E-MOBILITY

STABILIZATION

GRID SERVICES



- ◆ Network and system protection - provided by XPB Unit
- ◆ NAM (Network Analysis Module) preconfigured with local grid code parameters
- ◆ Backup
- ◆ Load balancing
- ◆ Zero Feed-In using overlaying EMS or Smart Meter



- ◆ On-Board AC power combining
- ◆ Up to 640 kWp photovoltaic compatible with a single XPB Unit
- ◆ Standby and power saving mode available
- ◆ Usable for E-Mobility and charging infrastructure
- ◆ On- and off-grid capabilities



- ◆ Seamless resynchronization on power recovery
- ◆ Voltage-regulation ability
- ◆ FFR (Fast Frequency Response) ability (< 500 ms to full load)
- ◆ Black start capability
- ◆ Energy Trading
- ◆ Backup at full power within 1 sec. of power outage

BACKUP
POWER

BLACK
START

ZERO
FEED-IN

GRID
CONNECTION

GRID
STABILIZATION

ENERGY
TRADING

MICRO-
GRID



POWER BOX

XELECTRIX PRODUCT RANGE 2023

BASIC SPLIT ECO

(with Backup Function, Indoor)

	B11-ECO	B35-ECO
Power	11 kW	35 kW
Storage	47	47-188 kWh
Input and Output	63 A	115 A (AC3) / 125 A (AC1)



Now all
available with

 **WÜRTH** | LEASING

UNLIMITED

(with Backup Function, In- and Outdoor)

	U35-M10	U80-M10	U150-M10	U150-M20
Power	35 kW	80 kW	150 kW	150 kW
Storage	141-188 kWh	141-282 kWh	188-282 kWh	470-564 kWh
Input and Output	630 A (AC3) / 800 A (AC1)		800 A (AC3) / 950 A (AC1)	



ENGINEERED
IN AUSTRIA

BASIC SPLIT HA

(with Backup Function, Indoor)

	B35-HA	B80-HA
Power	35 kW	80 kW
Storage	94-188 kWh	94-282 kWh
Input and Output	630 A (AC3) / 800 A (AC1)	



PRO 2.1

Mobile Power

With high Power Output

Plug & Play

Transportable

COMING SOON



GET YOUR PERSONAL
XPSEL ANALYSIS NOW!



xelectrix-power.com



POWER BOX

NOT ALL BESSs ARE CREATED EQUAL

PARALLEL PLATFORM TECHNOLOGY

Adding primary power source to on-board XPB inverter power.

INTEGRATED BATTERY HEALTH MONITORING

Ensuring system functions at all times with the active Battery Management System (aBMS).

SAFE

Highest safety standards on cell, module and unit levels including thermally triggered extinguishing system built into each pack.

MODULAR EXPANDABLE

Scalable storage capacity from 47 to 564 kWh (per system) and power from 11 to 150 kW.

AUTOMATIC TRANSFER SWITCH

Automatic switch between grid parallel and diesel generator operation.

HIGH AMPS

Highest throughput with up to 950 A.

BLACKOUT PREVENTION

Photovoltaic systems continue to operate after automatic switch to island grid.

3-PHASE AC COUPLED SYSTEM

Operating with bi-directional hybrid frequency inverter.

CELL CHEMISTRY

High-voltage LiFePO₄ (LFP) battery packs (650 V nominal voltage). LiFePO₄ are safer than other Li-Ion batteries regarding thermal runaway.

SPEED

Fastest reaction times through NAM and inverter technology.

INTERFACES

Possibility to be externally controlled and monitored.

ZERO FEED-IN

Supported over xelectrix connectivity and communication protocols through 3rd party EMS and Smart Meters.

QUALITY ENGINEERED IN AUSTRIA

Unique system architecture for all our units. One system, one vision, many applications.



xelectrix
POWER

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