UPS-LXS-KIT-BP
Control Panel + Battery Pack



CONTROL PANEL

BATTERY PACK

The UPS-LXS system can be configured by combining the UPS-LXS-CTRL control unit with one of the UPS-LXS-BPxx modular battery packs (xx = nominal capacity). Each configuration is identified by a unique UPS-LXS-KIT-BPxx code.

MAIN FEATURES

- **Fully compatible with multiple Battery Pack sizes** for flexible system integration
- **High power pulse capability** for demanding peak loads
- **Deep-discharge tolerant (DOD 100%)** for maximum robustness
- **Low-maintenance sealed AGM Super Cycle technology** for consistent operation
- **Low self-discharge rate** ideal for standby UPS systems
- **Extended cycle life (1,000+ cycles)** for reliable long-term performance
- **Stable performance in harsh, sub-zero environments** for dependable use
- For a fully customizable solutions, the **UPS System could be integrated** in your electrical panel, subject to technical feasibility assessment by our Technical Department.

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UPS-LXS-KIT-BP
TECHNICAL SPECIFICATIONS

ELECTRICAL FEATURES

- Input: Single-phase 115 – 277 VAC; 50-60Hz, 600W
- Output Load: Power supply 24 VDC; 25 A
  Maximum output load: 600 W
- Storage capacity: compatible with multiple Battery Pack sizes
- Protected against short circuit and inverted Batt. polarity
- Insulation voltage (IN/OUT): 3000 Vac
- Insulation voltage (Input/Earth, PE): 2000 Vac
- Insulation voltage (Out Load & Battery / Earth, PE): 500 Vac
- Insulation voltage (Out Load, Battery, Aux2/ Fault System & Main or Back Up terminal): 500Vac
- Max voltage at full battery: 28.8V
- Discharge Cut-off Voltage: 20,3V
- Projected cycle life (25°C): 1000 times*

*(on battery)

COMMUNICATION E ALARMS

- Mains / backup status (AC OK / Battery Mode) via dry contact;
- Low battery condition via dry contact;
- Battery or system fault (general alarm) via dry
- contact ;
- Input power status indication available for monitoring
- Fault System/Low Battery: C NC NO
- Main or Back Up: C NC NO

MECHANICAL PARAMETERS

- Steel enclosure with textured polyester coating, 80 µm thickness, RAL 7035
- Dimensions UPS-LXS-CTRL (mm): 600x400x260
- Total weight: 25 kg
- Degree of Protection: IP66
- Breather/Drain
- Cable glands (IN, OUT, Battery, Signal)

GENERAL DATA

- UPS input manual switch
- Manual battery cut-off switch
- Push Button "Start from Battery"
- Signal light "active panel"
- Input Protection: MCB 16A
- Output Protection: MCB 32 A
- Battery Protection: FUSE 32 A

CLIMATIC DATA

- Ambient temperature: -20°C ÷ 55°C (upon
- request, available -50°C, with heater)
- Humidity at 25 °C, no condensation: 90%
- Charge temperature 0°C/+55°C
- Discharge temperature -20°C/+55°C

CONFORMITY

- Low Voltage Directive 2014/35/EU
- Integrated CBI charger (IEC 61000-6 compliant)
- CE marking according to applicable EU Directives

ORDER CODE

UPS - **LXS** - **KIT** - **BPxx**

UPS Technology

Luxsolar Product

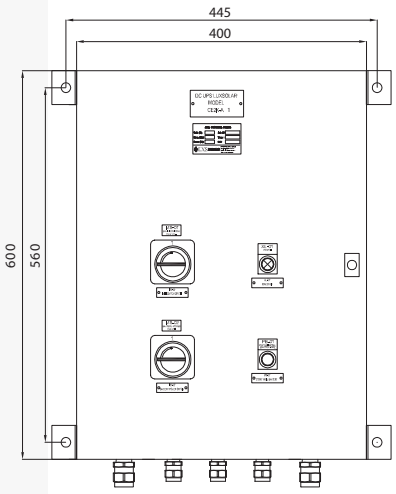
Complete System Identifier

BATTERY PACK (xx=Ah):
BP25/ BP38 / BP60 / BP100
BP125 / BP170 / BP230
BP00: no battery included

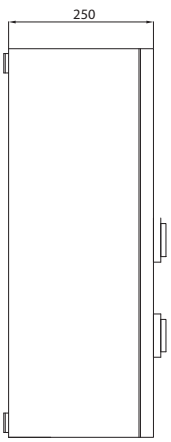
TECHNICAL DRAWING

UPS-LXS-CTRL

FRONT VIEW

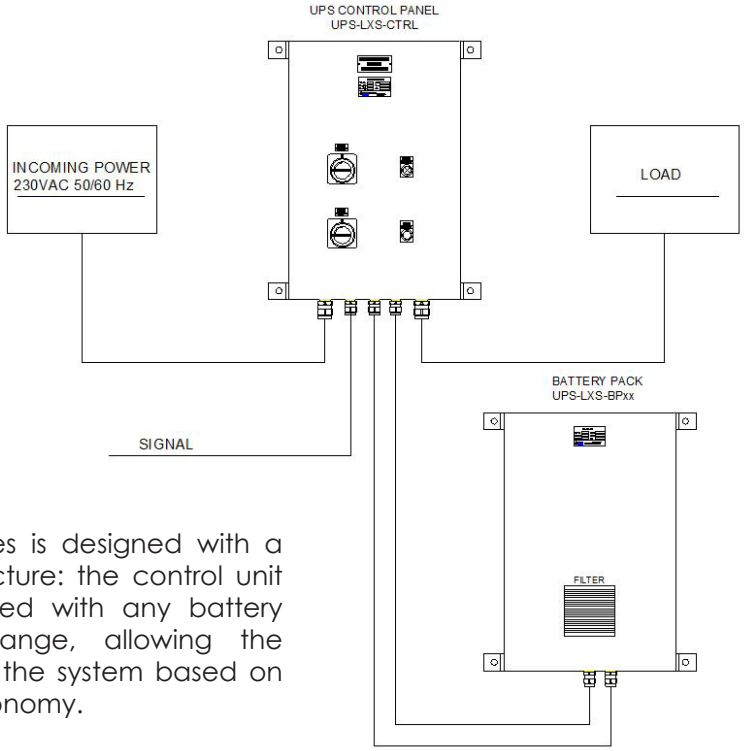


SIDE VIEW



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UPS-LXS-KIT-BP
TYPICAL CONFIGURATION



The UPS-LXS series is designed with a modular architecture: the control unit can be combined with any battery pack in the range, allowing the customer to size the system based on the required autonomy.

BATTERY PACKS TECHNICAL SPECIFICATIONS

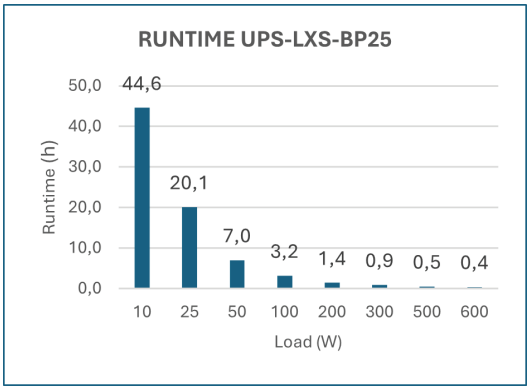
Model Code	Capacity (Ah)	Enclosure Dimension (mm)	Total Weight (kg)
UPS-LXS-BP25	25	600 x 400 x 260	40
UPS-LXS-BP38	38	600 x 500 x 260	55
UPS-LXS-BP60	60	600 x 400 x 260	60
UPS-LXS-BP100	100	800 x 600 x 300	90
UPS-LXS-BP125	120	800 x 600 x 300	125
UPS-LXS-BP170	170	800 x 600 x 300	150 ⚠
UPS-LXS-BP230	230	800 x 600 x 300	180 ⚠

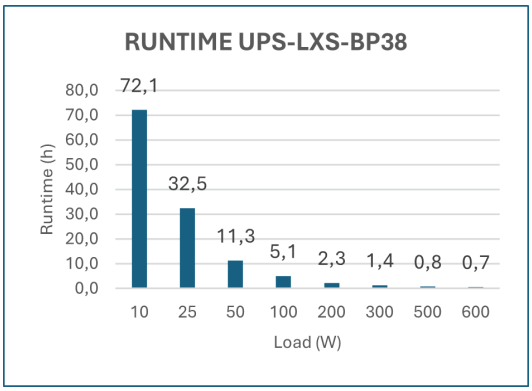
NOTES: Dimensions refer to battery enclosure (W × D × H). Total weight includes enclosure and batteries.
⚠ ATTENTION: Ensure that the installation surface is suitable for supporting the weight of the product.

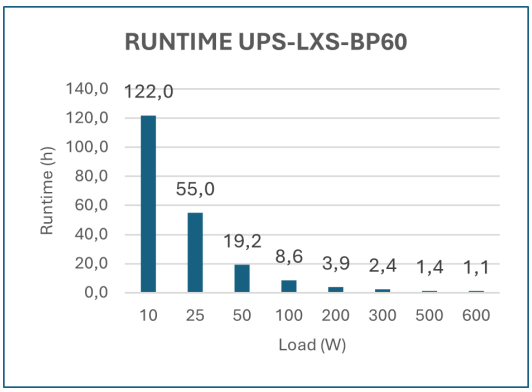
Runtime (h) depending on load power (W)								
Model Code	10 W	25 W	50 W	100 W	200 W	300 W	500 W	600 W
UPS-LXS-BP25	44,6	20,1	7,0	3,2	1,4	0,9	0,5	0,4
UPS-LXS-BP38	72,1	32,5	11,3	5,1	2,3	1,4	0,8	0,7
UPS-LXS-BP60	122,0	55,0	12,2	8,6	3,9	2,4	1,4	1,1
UPS-LXS-BP100	219,5	98,9	34,5	15,5	7,0	4,4	2,4	2,0
UPS-LXS-BP125	283,7	127,8	44,6	20,1	9,1	5,7	3,2	2,6
UPS-LXS-BP170	404,1	182,1	63,5	28,6	12,9	8,1	4,5	3,6
UPS-LXS-BP230	572,0	257,8	89,9	40,5	18,2	11,4	6,4	5,2

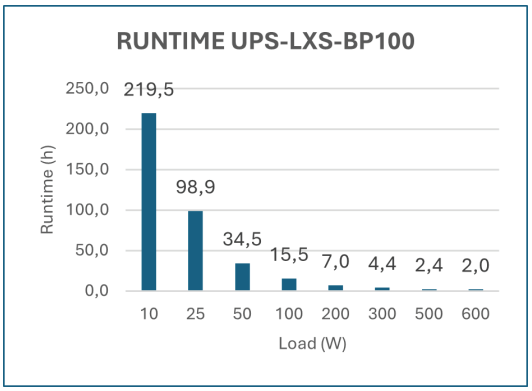
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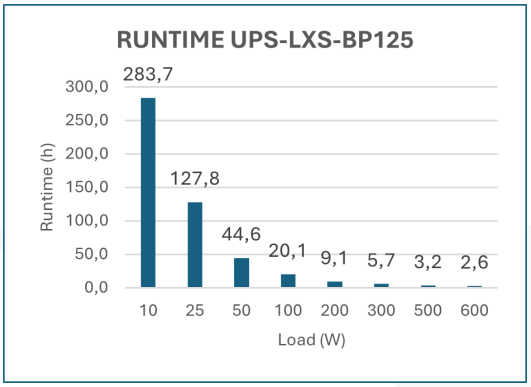
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TECHNICAL SPECIFICATIONS

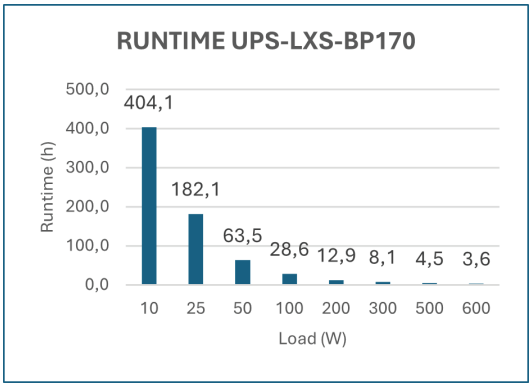


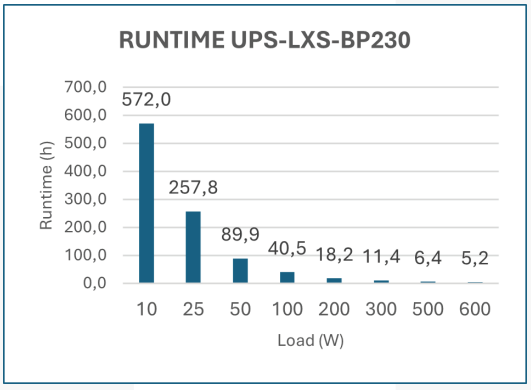












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