



sun | powerpack premium

Battery storage systems for energy saving

Typical applications:

- Reduction of annual grid purchase
- Energy supply in case of power failures¹
- Energy storage for off-grid power supplies

Your benefits:

- Increase economic of your PV-system by optimization of grid purchase costs
- Failure safe – by integrated battery management system with multi-level safety concept
- Uninterrupted service with autonomous power supply – even in case of power failure¹
- Simple handling & Operation – Components ready for connection; no venting required
- Space saving – due to compact housing
- Expandable by means of combination of individual storage systems
- High system efficiency – due to energy saving battery management

Type overview **sun** | powerpack premium

Capacities, dimensions and weights

	Energy content kWh	Nominal voltage V	Amount of required systems	Height H mm	ca. Width W ² mm	Depth mm	ca. Weight kg
sun powerpack premium 5.0/48	5.0	51.2	1	600	500	350	85
sun powerpack premium 7.5/48	7.5	51.2	1	600	500	350	100
sun powerpack premium 10.0/48	10.0	51.2	2	600	1300	350	170
sun powerpack premium 15.0/48	15.0	51.2	2	600	1300	350	200
sun powerpack premium 20.0/48	20.0	51.2	4	600	2900	350	340
sun powerpack premium 30.0/48	30.0	51.2	4	600	2900	350	405

² Ca. width refers to side by side mounted multiple systems with minimum clearance.

Technical data

Technology:	LiFePO
Max. discharge power:	Ca. 5kW / 7.5kW (for single system with 5kWh / 7.5kWh capacity)
Number of cycles:	Max. 7000 cycles at depth of discharge up to 80%
Design life:	up to 20 years
Protection class:	IP21
Operating temperature range:	0 °C to 45 °C
Battery efficiency factor (Wh):	98% (Charge and discharge at 0.5 C)
Operating mode:	Applicable in one or three phase systems
Scope of delivery:	Per system: Two battery stacks, cabinet for wall mounting, assembly frame, integrated BMS with disconnecting function, DC-connecting line, communication line
Standards:	DIN EN 50272-2, EN 62109-2, DIN EN 62620:2011-05, IEC 61010-1, EN 61427-2, EN 61508, VDE-AR-N 4105, UN38.3

