sun | powerpack premium

Battery storage system for energy saving

Motive Power Systems
Reserve Power Systems
Special Power Systems
Service

Your benefits from HOPPECKE sun | powerpack premium

- **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 failure[1)]
- **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
- **Universal** – CAN interface for communication with various battery inverters

Similar to the illustration

Typical applications of HOPPECKE sun | powerpack premium

- **Reduction of annual grid purchase**
- **Energy supply in case of power failures[1)]**
- **Energy storage for off-grid power supplies**

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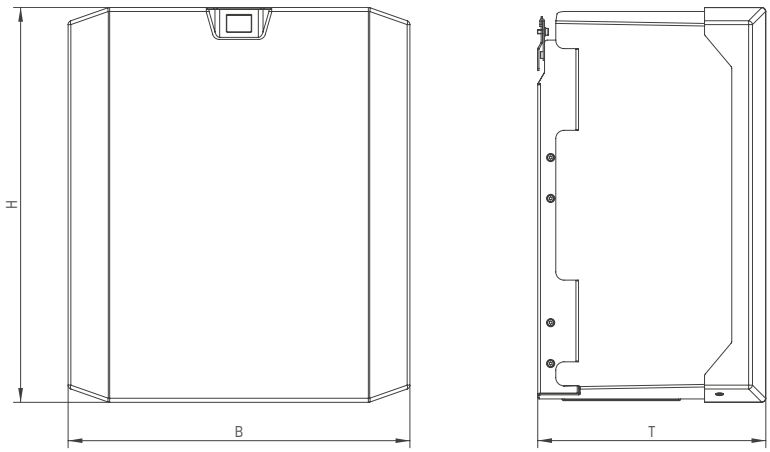
Type overview

Capacities, dimensions and weights

Designation	Energy content **kWh**	Nominal voltage **V**	Amount of required systems	Height **mm**	ca. Width[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	1000	350	170
sun | powerpack premium 15.0/48	15.0	51.2	2	600	1000	350	200
sun | powerpack premium 20.0/48	20.0	51.2	4	600	2000	350	340
sun | powerpack premium 30.0/48	30.0	51.2	4	600	2000	350	405

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



[1] Backup function only with approved battery inverters.
[2] Ca. width refers to side by side mounted multiple systems.

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