

sun|powerpack premium



Technical Data	
Nominal voltage	3.2V / cell (resp. 51.2V)
Endurance	Max. 7000 cycles at depth of discharge up to 80%
Operating temperature	+5°C to +45°C Note: Restrictions for "Zeitwertersatzgarantie": 10°C to 30°C Average temperature p.a. <=23°C
Efficiency	98% (Wh-efficiency per cell at 0.5C charge/discharge)
Humidity	85% (non-condensing)
Protection class	IP21
Dimensions	600 x 500x 350mm (H x W x D) (one housing) Refer also to table on next page.
Weight	Refer to table on next page
Ventilation	No ventilation required
Safety Distance	No ventilation required
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

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Feature	Advantage	Benefit
Compact Housing	Prepared for wall mounting with mounting frame	Easy installation
Handling units for installation	Separate handling of cell stacks and housing (heaviest handling unit ca. 40Kg)	Easy installation
DC-plug connection	Touch protected DC connection (even if disconnected under load)	Safe installation and operation
	Cables can be run above, below or to right / left side the storage system.	More installation options.
Design	Maintenance free (no active cell cooling nor ventilation)	Easy installation and operation (Plug and store)
Expandable	Combination of max four storage cabinets possible	Flexible enhancement of storage
Universal	CAN-interface allows communication with various inverters	Flexible usage in AC- and DC-coupled systems

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Feature	Advantage	Benefit
Low self discharge	Improved efficiency Cell efficiency ca. 98% (charge/discharge operation with 0,5C) -> Combined efficiency incl. BMS ca. 94%. Some competitors on "lead-acid" – level with ca. 80% (!)	Energy saving Ca. 23% more charging energy for Li-Ion batteries needed.
Made in Germany	High Quality	Long service life of battery system
VDE test certificate	Highest safety due to multistage safety concept.	Safe operation throughout the entire lifetime of the battery system.
No ventilation of battery room required.	Particularly important for low energy or passive energy households.	No heat energy loss due to ventilation.
Display unit	Status of battery system can be determined independent of inverter.	Easier service.
Biggest European manufacturer for industrial batteries	Decades of experience with different battery chemistries in industrial applications.	Outstanding Know-How and excellent service with HOPPECKE service division.