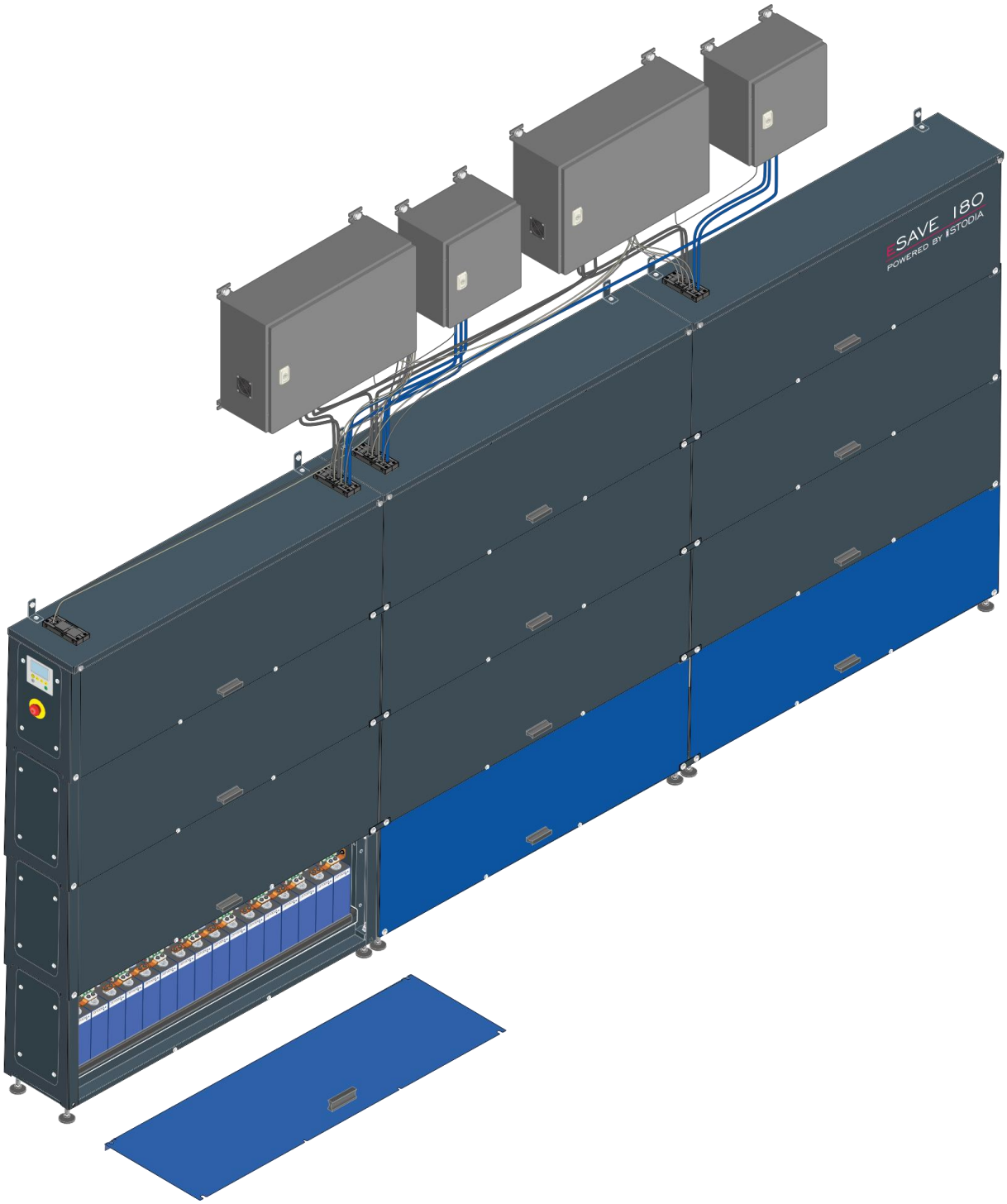
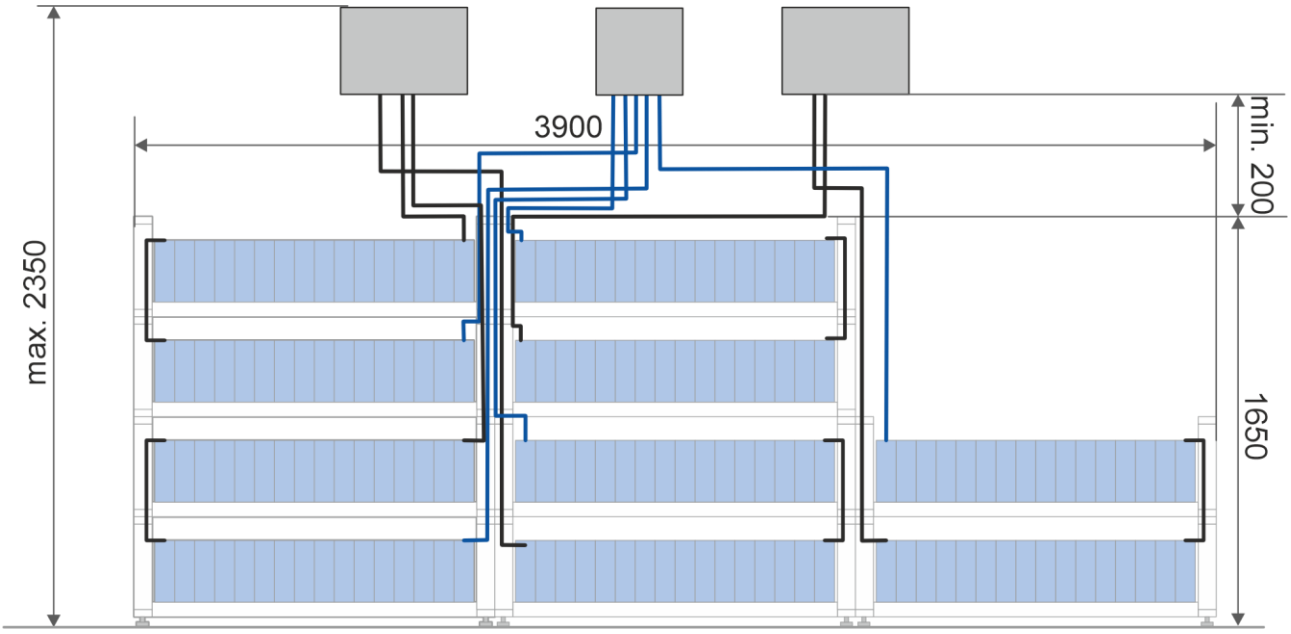
Data sheet

ESAVE 180-90 PN: 22104984

Short description

Stationary battery for storage and delivery of electrical energy usable with battery or hybrid inverters.





Characteristics

- **Modular stationary battery:**
  Power and capacity can be scaled to any level.
- **Long life cycle:**
  >80% remaining capacity after 10.000 full cycles or 20 years, without restrictions for battery usage (*
- **Intrinsically safe cell chemistry:**
  LFP modules for maximum safety even in the event of a fault.
- **Long term product support:**
  Simple servicing on each part.
  Industrial part standard.
  Extensive assembly documentation.
- **Detailed system depiction:**
  STODIA App to display all system parameters down to cell level including State of Health (SOH) Monitor
- **Cell management with single cell charging:**
  Balances charge and capacity tolerances even under the highest loads.
- **High system compatibility:**
  Can be combined with various inverters for AC and DC coupling (additional accessories required)

*) see Techn. data

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Technical data

Battery name	ESAVE 180-90
Product number	22104984
Type	IFpP174/72/207/[2P16S6P]H/-20+45/90
Cell chemistry	Lithium iron phosphate (LFP)
Number of battery modules	12
Usable capacity	180kWh
Charge/discharge current	1620A
Nominal voltage	51,2VDC
Degree of protection	IP31, for indoor use only
Efficiency	Max. 99%
Capacity trend	Greater 80% after 10.000 cycles (*
Compatible inverters	See compatibility list
Operating temperature range	10°C to 35°C without restriction, permitted: -20°C to 45°C
Dimensions (L/W/H)	3900mm/260mm/2350mm
Weight	~ 1440 kg
Certification	CE

*) for temperatures between 5–40 °C, predominant load profile: 90% < 1C

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