

# Technical data sheet

## Power Storage with Blackout Start (BOS)

### BOS 96, BOS 100

Version		BOS 96	BOS 100
		<b>General</b>	
Power Storage size (gross)	kWh	95,9	99,5
Max. output power	VA	45000	
Max. total efficiency	%	n.a	
Continuous charging power	VA	28800	
Connections		3x 230 V (AC in) 3x 230 V (AC out) 1x 48 V (DC)	
Cable cross section (max. 50m)	mm <sup>2</sup>	35	
Fuse	A	80	
Suitable CHP unit power size <sup>(1)</sup>	kW <sub>el</sub>	2.0 - 30.0	
PV connection		Grid parallel	
Storage function		Zero reference regulation via CHP	
Cooling		Fan ventilation	
Operating modes		Grid replacement, grid-forming isolated operation	
Measurements		Per phase current- and power measurement	
Display		LED display on the unit	
Protection class		IP 20	
Operating temperature	°C	5-30	
Humidity	%	max. 95	
Unit consumption	W	240	
Visualisation		Panel CHP	
Weight	kg	2316,99	2350,05
Number of cabinets [Variant 1   Variant 2] <sup>(2)</sup>		5   6	
Dimensions per cabinet (LxBxH) [Variant 1]	mm	911x802x2080	
Dimensions per cabinet (LxBxH) [Variant 2]	mm	911x802x1880	
Tilt dimension (front   lateral) [Variant 1]	mm	2259   2217	
Tilt dimension (front   lateral) [Variant 2]	mm	2078   2033	
		<b>Inverter</b>	
Manufacturer		Victron	
Power	kW	45	
		<b>Battery modules</b>	
		Pylontech	
Manufacturer			
Gross capacity	Wh	27x 3552	28x 3552
Operating voltage	V	48	
Cell type		LiFePo4	
Efficiency	%	90-95	
		<b>Standards and directives</b>	
		VDE-AR-N 4105:2018-11	
		EN-IEC 60335-1, EN-IEC 60335-2-29	
		EN-IEC 62109-1, EN-IEC 62109-2	
		EN 55014-1, EN 55014-2	
		EN-IEC 61000-3-2, EN-IEC 61000-3-3	
		IEC 61000-6-1, IEC 61000-6-2, IEC 61000-6-3	
Safety			
Emissions			

(1) Technical inspection by the manufacturer required

(2) The cabinets are available in 2 variants and differ in dimensions. The cabinets must always be positioned side by side.

Deviating values depending on ambient and operating conditions.

Subject to technical modifications, design variations and errors.