

Technical data sheet

Power Storage with Blackout Start (BOS)

BOS 85, BOS 89, BOS 92

Version		BOS 85	BOS 89	BOS 92
		<b>General</b>		
Power Storage size (gross)	kWh	85,2	88,8	92,4
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	2217,81	2250,87	2283,11
Number of cabinets [Variant 1   Variant 2] <sup>(2)</sup>		5	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>		
Manufacturer		Pylontech		
Gross capacity	Wh	24x 3552	25x 3552	26x 3552
Operating voltage	V	48		
Cell type		LiFePo4		
Efficiency	%	90-95		
		<b>Standards and directives</b>		
Safety		VDE-AR-N 4105:2018-11 EN-IEC 60335-1, EN-IEC 60335-2-29 EN-IEC 62109-1, EN-IEC 62109-2		
Emissions		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		

(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.