

Technical data sheet

Power Storage with Blackout Start (BOS)

BOS 96, BOS 100

Version		BOS 96	BOS 100
		General	
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 ²	35	
Fuse	A	80	
Suitable CHP unit power size ⁽¹⁾	kW _{el}	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 ⁽²⁾		6	
Dimensions per cabinet (LxBxH)	mm	911x802x1880	
Tilt dimension (front lateral)	mm	2078 2033	
		Inverter	
Manufacturer		Victron	
Power	kW	45	
		Battery modules	
Manufacturer		Pylontech	
Gross capacity	Wh	27x 3552	28x 3552
Operating voltage	V	48	
Cell type		LiFePo4	
Efficiency	%	90-95	
		Standards and directives	
		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) It is imperative that the cabinets are positioned next to each other.

Deviating values depending on ambient and operating conditions.

Subject to technical modifications, design variations and errors.