

Technical data sheet

Power Storage with Blackout Start (BOS)

BOS 43, BOS 46, BOS 50, BOS 53

Version		BOS 43	BOS 46	BOS 50	BOS 53
		General			
Power Storage size (gross)	kWh	42,6	46,2	49,7	53,3
Max. output power	VA	24000			
Max. total efficiency	%	n.a			
Continuous charging power	VA	15800			
Connections		3x 230 V (AC in) 3x 230 V (AC out) 1x 48 V (DC)			
Cable cross section (max. 50m)	mm ²	16			
Fuse	A	63			
Suitable CHP unit power size ⁽¹⁾	kW _{el}	2.0 - 9.5, 12.5			
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	150			
Visualisation		Panel CHP			
Weight	kg	957,20	990,26	1023,32	1056,38
Number of cabinets [Variant 1 Variant 2] ⁽²⁾		3		3 4	
Dimensions per cabinet (LxBxH) [Variant 1]	mm	706x602x2080			
Dimensions per cabinet (LxBxH) [Variant 2]	mm	706x602x1880			
Tilt dimension (front lateral) [Variant 1]	mm	2185 2153			
Tilt dimension (front lateral) [Variant 2]	mm	1996 1962			
		Inverter			
		Victron			
Power	kW	24	24	24	24
		Battery modules			
		Pylontech			
Gross capacity	Wh	12x 3552	13x 3552	14x 3552	15x 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			
Manufacturer					
Manufacturer					
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.