

Technical data sheet

Power Storage with Blackout Start (BOS)

BOS 71, BOS 75, BOS 78

Version		BOS 71	BOS 75	BOS 78
		General		
Power Storage size (gross)	kWh	71,0	74,6	78,1
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	1851,48	2118,63	2151,69
Number of cabinets [Variant 1 Variant 2] ⁽²⁾		4 5	5	5
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		
		Inverter		
		Victron		
Power	kW	15	15	15
		Battery modules		
		Pylontech		
Manufacturer				
Gross capacity	Wh	20x 3552	21x 3552	22x 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				
Power	kW			
Manufacturer				
Gross capacity	Wh			
Operating voltage	V			
Cell type				
Efficiency	%			
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.