

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 ⁽²⁾		5		
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	20x 3552	21x 3552	22x 3552
Operating voltage	V	48		
Cell type		LiFePo4		
Efficiency	%	90-95		
		Standards and directives		
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) 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.