

Technical data sheet

Power Storage with Blackout Start (BOS)

BOS 18, BOS 21, BOS 25, BOS 28

Version		BOS 18	BOS 21	BOS 25	BOS 28
General					
Power Storage size (gross)	kWh	17,8	21,3	24,9	28,4
Max. output power	VA	9000	15000	15000	15000
Max. total efficiency	%	n.a.			
Continuous charging power	VA	5000	10000	10000	10000
Connections		3x 230 V (AC in) 3x 230 V (AC out) 1x 48 V (DC)			
Cable cross section (max. 50m)	mm ²	6	10	10	10
Fuse	A	32	50	50	50
Suitable CHP unit power size ⁽¹⁾	kW _{el}	2.0 - 4.0		2.0 - 4.0, 9.5	
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	33	54	54	54
Visualisation		Panel CHP			
Weight	kg	517,04	583,40	616,46	649,52
Number of cabinets [Variant 1 Variant 2] ⁽²⁾		2			
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			
Manufacturer		Inverter Victron			
Power	kW	9	15	15	15
Manufacturer		Battery modules Pylontech			
Gross capacity	Wh	5x 3552	6x 3552	7x 3552	8x 3552
Operating voltage	V	48			
Cell type		LiFePo4			
Efficiency	%	90-95			
Safety		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			
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.