

Technical data sheet

Power Storage (BSS)

BSS 36, BSS 39, BSS 43, BSS 46

Version		BSS 36	BSS 39	BSS 43	BSS 46
General					
Power Storage size (gross)	kWh	35,5	39,1	42,6	46,2
Max. output power	VA	10000			
Max. total efficiency	%	n.a			
Continuous charging power	VA	6700			
Connections		2x 230 V (AC in) 2x 230 V (AC out) 1x 48 V (DC)			
Cable cross section (max. 50m)	mm ²	4			
Fuse	A	25			
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	36			
Visualisation		Panel CHP			
Weight	kg	631,60	767,33	800,39	833,45
Number of cabinets [Variant 1 Variant 2] ⁽¹⁾		2 3	3 3	3 3	3 3
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					
Manufacturer		Victron			
Power	kW	10			
Battery modules					
Pylontech					
Manufacturer		10x 3552	11x 3552	12x 3552	13x 3552
Gross capacity	Wh	48			
Operating voltage	V	LiFePo4			
Cell type		90-95			
Efficiency	%				
Safety					
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					
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					
Emissions					

(1) 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.