

Technical data sheet

Power Storage with Blackout Start (BOS)

BOS 107, BOS 114

Version		BOS 107	BOS 114
General			
Power Storage size (gross)	kWh	106,6	113,7
Max. output power	VA	45000	90000
Max. total efficiency	%	n.a.	
Continuous charging power	VA	28800	57600
Connections		3x 230 V (AC in) 3x 230 V (AC out) 1x 48 V (DC)	
Cable cross section (max. 50m)	mm ²	35	95
Fuse	A	80	160
Suitable CHP unit power size ⁽¹⁾	kW _{el}	2.0 - 30.0	2.0 - 50.0
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	480
Visualisation		Panel CHP	
Weight	kg	2416,17	3115,61
Number of cabinets [Variant 1 Variant 2] ⁽²⁾		5 6	7 8
Dimensions per cabinet (LxBxH) [Variant 1]	mm	911x802x2080	
Dimensions per cabinet (LxBxH) [Variant 2]		911x802x1880	
Tilt dimension (front lateral) [Variant 1]		2259 2217	
Tilt dimension (front lateral) [Variant 2]	mm	2078 2033	
Inverter			
Victron			
Power	kW	45	90
Battery modules			
Pylontech			
Gross capacity	Wh	30x 3552	32x 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			

(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.