Technical data sheet
Power Storage with Blackout Start (BOS)
BOS 32, BOS 36, BOS 39

RMB ENERGIE
A YANMAR COMPANY

Version		BOS 32	BOS 36	BOS 39
			General	
Power Storage size (gross)	kWh	32,0	35,5	39,1
Max. output power	VA	15000	24000	24000
Max. total efficiency	%		n.a.	
Continuous charging power	VA	10000	15800	15800
Connections		3x 230 V (AC in) 3x 230 V (AC out) 1x 48 V (DC)		
Cable cross section (max. 50m)	mm²	10	16	16
Fuse	A	50	63	63
Suitable CHP unit power size (1)	kWel	2.0 - 5.0, 8.0,9.5	2.0 - 12.5	
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	54	150	150
Visualisation		Panel CHP		
Weight	kg	682,58	749,93	924,14
Number of cabinets (2)		2	3	3
Dimensions per cabinet (LxBxH)	mm	706x602x1880		
Tilt dimension (front I lateral)	mm	1996 I 1962		
			Inverter	
Manufacturer		Victron		
Power	kW	15	24	24
			Battery modules	
Manufacturer			Pylontech	
Gross capacity	Wh	9x 3552	10x 3552	11x 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.