

TECHNICAL INFORMATION

smartblock battery	Unit	sbb100 121	sbb100 242	sbb100 363	sbb100 726
Item number	Art.No.	A40410	A40420	A40430	A40440
Gross stored energy (100 % DoD) ¹	[kWh]	147,8	295,7	443,5	887
Nominal Capacity	[Ah]	3080	6160	9240	18480
Net stored energy (80 % DoD) ¹	[kWh]	118,3	236,5	354,8	709,6
Number of Strings		1	2	3	6
Number of modules per string		11	11	11	11
Number of battery modules	[pcs]	11	22	33	66
Total weight of battery modules	[kg]	1155	2310	3465	6930
Weight inverter	[kg]	705	705	705	705
Total weight	[kg]	1860	3015	4170	7635
Battery voltage	[V]	528	528	528	528
Life cycles		> 5.000 (80 % DoD) ¹			
Battery type		Lithium-LFP-Technologie LiFePo4			
Battery module manufacturer		CEGASA			
Rated power / Output power		89,0 kVA / kW	100 kVA / 100 kW		
Overload 110% for 60 min	[kVA]	110			
Overload 125% for 10 min	[kVA]	125			
Overload 150% for 1 min	[kVA]	150			
Charging power	[kW]	95			
Dimensions inverter (LxWxH)	[mm]	850 x 850 x 1900			
Noise level (at 1m)	[dBA]	65			
Connection types		Mains parallel or net replacement function			
Control type		Zero feed regulation / peak shaving (peak load capping) Emergency power operation, changeover <10ms			
Operating temperature range	[°C]	0 - 40			
Humidity (non-condensing) max.	[%]	5 - 95			
Connections		3 + N 400V 50Hz			
Protection class		IP20			
Settings grid protection		VDE-ARN-N 4110:2018-11 EU guidelines 2014/35/EU (Network connection rule), Guideline 2014/30/EU about electromagnetic compatibility, Standard: Safety - IEC EN 62040-1; EMV - IEC EN			
Safety		62040-2; RoHS-compliant			
Inverter manufacturer		Riello			

¹(DoD - Depth of Discharge)

TECHNICAL INFORMATION

smartblock battery	Unit	sbb250 363	sbb250 726	sbb250 1089
Item number	Art.No.	A40510	A40520	A40530
Gross stored energy (100 % DoD) ¹	[kWh]	443,5	887,0	1330,6
Nominal Capacity	[Ah]	9240	18480	27720
Net stored energy (80 % DoD) ¹	[kWh]	354,8	709,6	1064,6
Number of Strings		3	6	9
Number of modules per string		11	11	11
Number of battery modules	[pcs]	33	66	99
Total weight of battery modules	[kg]	3465	6930	10395
Weight inverter	[kg]	1305	1305	1305
Total weight	[kg]	4770	8235	11700
Battery voltage	[V]		528	
Life cycles			> 5.000 (80 % DoD) ¹	
Battery type			Lithium-LFP-Technologie LiFePo4	
Battery module manufacturer			CEGASA	
Rated power / Output power			250 kVA / 250 kW	
Overload 110% for 60 min	[kVA]		275	
Overload 125% for 10 min	[kVA]		312,5	
Overload 150% for 1 min	[kVA]		375	
Charging power	[kW]		230	
Dimensions inverter (LxWxH)	[mm]		1000 x 850 x 900	
Noise level (at 1m)	[dBA]		68	
Connection types			Mains parallel or net replacement function	
Control type			Zero feed regulation / peak shaving (peak load capping) Emergency power operation, changeover <10ms	
Operating temperature range	[°C]		0 - 40	
Humidity (non-condensing) max.	[%]		5 - 95	
Connections			3 + N 400V 50Hz	
Protection class			IP20	
Settings grid protection			VDE-ARN-N 4110:2018-11 EU guidelines 2014/35/EU (Network connection rule), Guideline 2014/30/EU about electromagnetic compatibility, Standard: Safety - IEC EN 62040-1; EMV - IEC EN	
Safety			62040-2; RoHS-compliant	
Inverter manufacturer			Riello	

¹(DoD - Depth of Discharge)

TECHNICAL INFORMATION

smartblock battery	Unit	sbb500 726	sbb500 1089
Item number	Art.No.	A40610	A40620
Gross stored energy (100 % DoD) ¹	[kWh]	887,0	1330,6
Nominal Capacity	[Ah]	18480	27720
Net stored energy (80 % DoD) ¹	[kWh]	709,6	1064,4
Number of Strings		6	9
Number of modules per string		11	11
Number of battery modules	[pcs]	66	99
Total weight of battery modules	[kg]	6930	10395
Weight inverter	[kg]	3026	3026
Total weight	[kg]	9956	13421
Battery voltage	[V]	528	528
Life cycles		> 5.000 (80 % DoD) ¹	
Battery type		Lithium-LFP-Technologie LiFePo4	
Battery module manufacturer		CEGASA	
Rated power / Output power		500 kVA / 500 kW	
Overload 110% for 60 min	[kVA]	550	
Overload 125% for 10 min	[kVA]	625	
Overload 150% for 1 min	[kVA]	750	
Charging power	[kW]	450	
Dimensions inverter (LxWxH)	[mm]	2100 x 1000 x 1900	
Noise level (at 1m)	[dBA]	65	
Connection types		Grid parallel or net replacement function	
Control type		Zero feed regulation / peak shaving (peak load capping) Emergency power operation, changeover <10ms	
Operating temperature range	[°C]	0 - 40	
Humidity (non-condensing) max.	[%]	5 - 95	
Connections		3 + N 400V 50Hz	
Protection class		IP20	
Settings grid protection		VDE-ARN-N 4110:2018-11 EU guidelines 2014/35/EU (Network connection rule), Guideline 2014/30/EU about electromagnetic compatibility, Standard: Safety - IEC EN 62040-1; EMV - IEC EN	
Safety		62040-2; RoHS-compliant	
Inverter manufacturer		Riello	

¹(DoD - Depth of Discharge)