

TECHNICAL INFORMATION

smartblock battery	Unit	sbb15 22	sbb15 33	sbb15 44
Item number	Art.No.	A40110	A40120	A40130
Gross stored energy (100 % DoD) ¹	[kWh]	26,9	40,3	53,8
Nominal Capacity	[Ah]	560	840	1120
Net stored energy (80 % DoD) ¹	[kWh]	21,5	32,3	43,0
Number of battery modules	[pcs]	2	3	4
Total weight of battery modules	[kg]	210	315	420
Total weight	[kg]	600	705	810
Life cycles		> 5.000 (80 % DoD) ¹		
Rated power	[kVA]	15,0 (bei 25°C)		
Output power	[kW]	12,0 (bei 25°C) 9,0 (bei 40°C)		
Peak Power	[kW]	27,0 (bei 25°C)		
Charging power	[kW]	10,0		
Wire type and diameter Mains connection		NYM-J 5x 6 mm ²		
Fuse Size / Characteristic	[A]	NH01 35A / gL/gG		
Connection types		Grid parallel or net replacement function		
Control type		Zero feed regulation / peak shaving (peak load capping) Emergency power operation, changeover <20ms		
Operating temperature range	[°C]	5 - 30		
Humidity (non-condensing) max.	[%]	95		
Connections		3x 230 V (AC IN), 3x 230 V (AC OUT), 1x 48 V (DC)		
Protection class		IP22		
Total weight ICC ²	[kg]	390		
Settings grid protection		VDE-ARN-N 4105:2018-11		
Safety		EN-IEC 60335-1, EN-IEC 60335-2-29, EN-IEC 62109-1, EN-IEC 62109-2, UN38.3		
Emission		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		
Battery module manufacturer		CEGASA		
Battery cell type / battery voltage		Lithium-LFP-Technologie LiFePo4 / 48 V		
Inverter manufacturer		VICTRON		

¹(DoD - Depth of Discharge) ²(ICC - Inverter Control Cabinet)

TECHNICAL INFORMATION

smartblock battery	Unit	sbb24 44	sbb24 66
Item number	Art.No.	A40220	A40230
Gross stored energy (100 % DoD) ¹	[kWh]	53,8	80,6
Nominal Capacity	[Ah]	1120	1680
Net stored energy (80 % DoD) ¹	[kWh]	43,0	64,5
Number of battery modules	[pcs]	4	6
Total weight of battery modules	[kg]	420	630
Total weight	[kg]	810	1020
Life cycles		> 5.000 (80 % DoD) ¹	
Rated power	[kVA]	24,0 (bei 25°C)	
Output power	[kW]	19,2 (bei 25°C) 16,5 (bei 40°C)	
Peak Power	[kW]	45,0 (bei 25°C)	
Charging power	[kW]	15,8	
Wire type and diameter Mains connection		NYM-J 5x 10mm ²	
Fuse Size / Characteristic	[A]	NH01 50A / gL/gG	
Connection types		Grid parallel or net replacement function	
Control type		Zero feed regulation / peak shaving (peak load capping) Emergency power operation, changeover <20ms	
Operating temperature range	[°C]	5 - 30	
Humidity (non-condensing) max.	[%]	95	
Connections		3x 230 V (AC IN), 3x 230 V (AC OUT), 1x 48 V (DC)	
Protection class		IP22	
Total weight ICC ²	[kg]	390	
Settings grid protection		VDE-ARN-N 4105:2018-11	
Safety		EN-IEC 60335-1, EN-IEC 60335-2-29, EN-IEC 62109-1, EN-IEC 62109-2, UN38.3	
Emission		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	
Battery module manufacturer		CEGASA	
Battery cell type / battery voltage		Lithium-LFP-Technologie LiFePo4 / 48 V	
Inverter manufacturer		VICTRON	

¹(DoD - Depth of Discharge) ²(ICC - Inverter Control Cabinet)

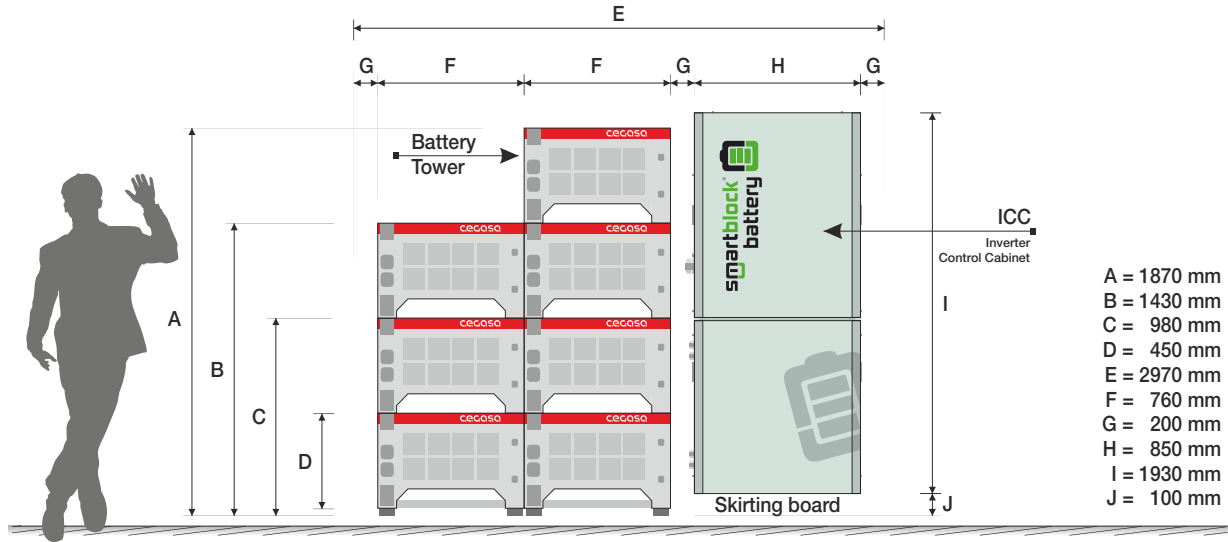
TECHNICAL INFORMATION

smartblock battery	Unit	sbb30 44	sbb30 66
Item number	Art.No.	A40310	A40320
Gross stored energy (100 % DoD) ¹	[kWh]	53,8	80,6
Nominal Capacity	[Ah]	1120	1680
Net stored energy (80 % DoD) ¹	[kWh]	43,0	64,5
Number of battery modules	[pcs]	4	6
Total weight of battery modules	[kg]	420	630
Total weight	[kg]	810	1020
Life cycles		> 5.000 (80 % DoD) ¹	
Rated power	[kVA]	30,0 (bei 25°C)	
Output power	[kW]	24,0 (bei 25°C) 21,0 (bei 40°C)	
Peak Power	[kW]	54,0 (bei 25°C)	
Charging power	[kW]	20,0	
Wire type and diameter Mains connection		NYM-J 5x 16mm ²	
Fuse Size / Characteristic	[A]	NH01 63A / gL/gG	
Connection types		Grid parallel or net replacement function	
Control type		Zero feed regulation / peak shaving (peak load capping) Emergency power operation, changeover <20ms	
Operating temperature range	[°C]	5 - 30	
Humidity (non-condensing) max.	[%]	95	
Connections		3x 230 V (AC IN), 3x 230 V (AC OUT), 1x 48 V (DC)	
Protection class		IP22	
Total weight ICC ²	[kg]	390	
Settings grid protection		VDE-ARN-N 4105:2018-11	
Safety		EN-IEC 60335-1, EN-IEC 60335-2-29, EN-IEC 62109-1, EN-IEC 62109-2, UN38.3	
Emission		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	
Battery module manufacturer		CEGASA	
Battery cell type / battery voltage		Lithium-LFP-Technologie LiFePo4 / 48 V	
Inverter manufacturer		VICTRON	

¹(DoD - Depth of Discharge) ²(ICC - Inverter Control Cabinet)

TECHNICAL INFORMATION

Installation options for the Battery Towers / positioning scheme / dimensions



smartblock battery Typ	2-fold Tower	3-fold Tower	4-fold Tower	Battery Control Cabinet	ICC
sbb 15 22	1x	-	-	-	1x
sbb 15 33	-	1x	-	-	1x
sbb 15 44 A	2x	-	-	-	1x
sbb 15 44 B	-	-	1x	-	1x
sbb 24 44 A	2x	-	-	-	1x
sbb 24 44 B	-	-	1x	-	1x
sbb 24 66 C	1x	-	1x	-	1x
sbb 24 66 D	-	2x	-	-	1x
sbb 30 44 A	2x	-	-	-	1x
sbb 30 44 B	-	-	1x	-	1x
sbb 30 66 C	1x	-	1x	-	1x
sbb 30 66 D	-	2x	-	-	1x

INFO:

The **Battery Towers** are **variabel** to the **left** or **right** of the **ICC** (Inverter Control Cabinet) placeable.