

## PVV



Batería Estacionaria BAE GEL PVV



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Batería Estacionaria BAE GEL - Bancada



Baterías Estacionarias BAE 16 PVV 3040

BAE Secura PVV Block solar batteries don't need to be refilled with water during the whole service life. Therefore, this battery type is maintenance -free. This eliminates checking of electrolyte level.

Due to the robots tubular plate design BAE PVV Block batteries are excellent suited for highest requirements regarding cycling ability and long life-time.

### Design

Positive electrode	Tubular plate with a woven polyester gauntlet and solid grid in a corrosion-resistant
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PbSbSnSe-low  
antimony alloy

Negative electrode	Grid plate in a low antimony alloy with long-life expander material
Separation	Microporous separator
Electrolyte	Sulphuric acid with a density of 1,24 Kg/l at 20 °C
Container	High impact, SAN (Styrol-Acrylic-Nitrile), grey coloured, UL-94 rating: HB
Valve	One valve per cell with flame arrestor, opening pressure approx. 120 mbar.
Pole-bushing	100% gas and electrolyte-tight, sliding, plastic coated "Panzerpol"
Kind of protection	IP 25 regarding EN 60529, touch protected according to VBG 4

### Installation

BAE Secura PVS solar batteries are designed for indoor applications.

### Maintenance

Every 6 months: check battery voltage, pilot cell voltages, temperatures

Every 12 months: check connections, record battery voltage, cell voltages and temperatures.

### Operational data

Depth of discharge (DOD)	Max. 80% ( $U_e = 1,91$ V/Cell for discharge times > 10 h; 1,74 V/Cell for 1 h) Deep discharges of more than 80% DOD have to be avoided
Initial charge current	Unlimited, the minimal charge current has to be 5A / 100 Ah C10
Cyclic operation charge voltage	Restricted from 2,30 V to 2,40 V per cell, operating instruction is to be observed
Float Voltage	2.23 V/Cell
Cycles	3000 (A+B) according IEC 61427
Temperature	-20 °C to 45 °C
Self discharge	Aprox. 2 % per month at 20 °C

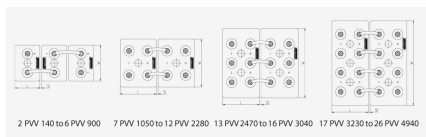
### Standards

## Standards

Test standards	IEC 60896-11, IEC 61427
Safety standard	EN 50272

## SPECIFICATIONS


Model	Nominal Capacity C10 1.80 V/C Ah.	Nominal Capacity C100 1.80 V/C Ah.	Nominal Capacity C120 1.80 V/C Ah.	l	b/w	H*	Weight Filled Kgr.	Internal Resistance mohm.	Shortcircuit current kA	Poles
2 PVV 140	134	157	158	105	208	420	12,4	1,65	1,3	1
3 PVV 210	202	236	238	105	208	420	17,1	1,15	1,86	1
4 PVV 280	268	314	318	105	208	420	19,4	0,89	2,4	1
5 PVV 350	336	393	397	126	208	420	23,3	0,73	2,91	1
6 PVV 420	404	472	477	147	208	420	27,4	0,63	3,39	1
5 PVV 550	506	583	589	126	208	535	31,4	0,68	3,14	1
6 PVV 660	598	686	693	147	208	535	36,9	0,58	3,64	1
7 PVV 770	688	788	795	168	208	535	42,4	0,52	4,12	1
6 PVV 900	834	968	978	147	208	710	49,5	0,46	4,63	1
7 PVV1050	980	1140	1154	215	193	710	60,4	0,36	5,81	2
8 PVV 1200	1116	1280	1296	215	193	710	67,3	0,32	6,54	2
9 PVV 1350	1252	1450	1464	215	235	710	75,5	0,34	6,29	2
10 PVV 1500	1382	1600	1620	215	235	710	82,5	0,28	7,5	2
11 PVV 1650	1512	1750	1764	215	277	710	90,8	0,28	7,56	2
12 PVV 1800	1644	1900	1920	215	277	710	97,7	0,24	8,63	2
11 PVV 2090	1772	2070	2088	215	277	855	108,2	0,27	7,86	2
12 PVV 2280	1918	2230	2256	215	277	855	116,5	0,23	9,18	2
13 PVV 2470	2120	2490	2508	215	400	815	131,4	0,18	11,91	3
14 PVV 2660	2320	2740	2772	215	400	815	141,2	0,17	12,63	3
15 PVV 2850	2420	2840	2868	215	400	815	147,9	0,16	13,25	3
16 PVV 3040	2580	3000	3036	215	400	815	156,2	0,15	13,94	3
17 PVV 3230	2780	3260	3300	215	490	815	173,6	0,14	15,32	4
18 PVV 3420	2920	3420	3468	215	490	815	181,4	0,13	16,03	4
19 PVV 3610	3080	3590	3624	215	490	815	189,6	0,12	16,70	4
20 PVV 3800	3220	3750	3792	215	490	815	197,8	0,12	17,37	4
22 PVV 4180	3600	4220	4272	215	580	815	219,1	0,11	18,43	4
24 PVV 4560	3900	4550	4596	215	580	815	235,4	0,10	19,76	4
26 PVV 4940	4060	4710	4764	215	580	815	248,4	0,10	21,02	4



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