

PVV BLOCK



Batería Estacionaria BAE GEL PVV Block



Baterías Estacionarias BAE GEL PVV



Batería Estacionaria BAE Bancada Block



Batería estacionaria Bae SunDepot



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 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 BGV A3

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

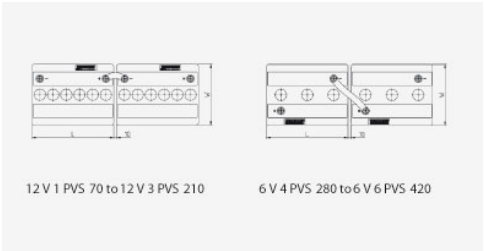
Depth of discharge (DOD)	Max. 80% ($U_e = 1,91$ V/Cell for discharge times > 10 h; 1,74 V/Cell for 1 h) Deep discharges of more than 80% DOD have to be avoided
Initial charge current	Unlimited, the minimal charge current has to be 5A / 100 Ah C_{10}
Cyclic operation charge voltage	Restricted from 2,30 V to 2,40 V per cell, operating instruction is to be observed
Float Voltage	2.23 V/Cell
Cycles	2100 (A+B) according IEC 61427 at 40 °C >1500 according IEC 60896-21 at 20 °C
Temperature	-20 °C to 45 °C
Self discharge	Aprox. 2 % per month at 20 °C

Standards

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

SPECIFICATIONS

Model	Nominal Capacity C ₂₀ 1.80 V/C Ah.	Nominal Capacity C ₁₀₀ 1.80 V/C Ah.	Nominal Capacity C ₁₂₀ 1.80 V/C Ah.	I	b/w	H*	Weight Filled.	Internal Resistance mohm.	Shortcircuit current kA
12V 1 PVV 70	67	78	79	272	205	385	43,0	17,47	0,73
12V 2 PVV 140	120	137	138	272	205	385	52,0	9,55	1,34
12V 3 PVV 210	182	208	210	380	205	385	74,2	6,74	1,91
6V 4 PVV 280	244	279	282	272	205	385	51,0	2,66	2,42
6V 5 PVV 350	306	350	354	380	205	385	65,0	2,24	2,87
6V 6 PVV 420	368	421	424	380	205	385	73,8	1,94	3,31
2V 12 PVV 840	734	838	846	272	205	385	51,0	0,29	7,33
2V 15 PVV 1050	920	1050	1062	380	205	385	65,0	0,24	8,81
2V 18 PVV 1260	1108	1260	1272	380	205	385	73,8	0,21	10,18



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