

Skype



PVV BLOCK



Batería Estacionaria BAE GEL PVV Block



Baterías Estacionarias BAE GEL PVV



Batería Estacionaria BAE Bancada Block



Batería estacionaria Bae SunDepot



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 robust 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 or 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 | 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 |

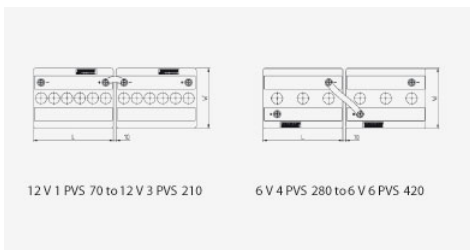
Standards

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

SPECIFICATIONS


| Model | Nominal Capacity C20 1.80 V/C Ah. | Nominal Capacity C100 1.80 V/C Ah. | Nominal Capacity C120 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 |



DOWNLOADS

CATÁLOGO GENERAL 2020

 [Catalogo-Bornay-0520.pdf](#) (27.76 MiB)
Size: 27.76 MiB