



# TECHNISCHES DATENBLATT

## SPGN12-145

### Eigenschaften:

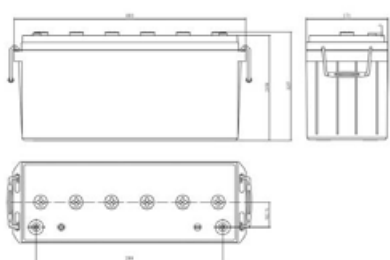
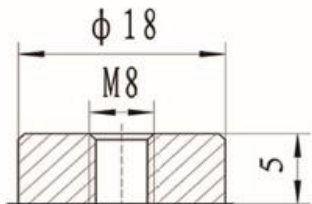
- ✓ Long Life nach Eurobat
- ✓ Hohe Energieeffizienz
- ✓ Hohe Gasrekombination
- ✓ Niedrige Selbstentladung
- ✓ Einfache Handhabung und Installation

### Anwendungen:

- ✓ USV-Anlagen
- ✓ Rechenzentren
- ✓ Telekommunikation
- ✓ Energieversorgung
- ✓ Erneuerbare Energien
- ✓ Sicherheitsbeleuchtung
- ✓ Universelle Stromspeicher
- ✓ Dieselstart

### Standards:

- ✓ IEC 60896-21/22:2004
- ✓ JIS C8702-1/2:2009
- ✓ Eurobat 2015
- ✓ EN 50272-2

| Bild:                                                                               | Zeichnung:                                                                           |                | Anschlusspol:                                                                         |                                                              |  |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|--|
|  |  |                |  |                                                              |  |
|                                                                                     | SP-29                                                                                |                |                                                                                       |                                                              |  |
| Bezeichnung:                                                                        | SPGN12-145                                                                           |                |                                                                                       |                                                              |  |
| Abmessungen:                                                                        | Länge                                                                                | Breite         |                                                                                       | Höhe                                                         |  |
|                                                                                     | 483 mm                                                                               | 171 mm         |                                                                                       | 219/227 mm                                                   |  |
| Gewicht:                                                                            | 45,60 kg                                                                             |                |                                                                                       |                                                              |  |
| Design-Life:                                                                        | 12 Jahre                                                                             |                |                                                                                       |                                                              |  |
| Kapazität (25°C; 1,8 V/Z):                                                          | C <sub>10</sub>                                                                      | C <sub>8</sub> | C <sub>3</sub>                                                                        | C <sub>1</sub>                                               |  |
|                                                                                     | 145,10 Ah                                                                            | 141,04 Ah      | 118,14 Ah                                                                             | 93,56 Ah                                                     |  |
| Innenwiderstand:                                                                    | 2,75 mΩ                                                                              |                |                                                                                       |                                                              |  |
| Max. Entladestrom (5 sec.):                                                         | 1650 A                                                                               |                |                                                                                       |                                                              |  |
| Ladung:                                                                             | Zyklische Anwendung<br>2,40 (-4mV/°C)                                                |                |                                                                                       | Stationäre Anwendung<br>2,27 (-3mV/°C), Starkladung 2,40 V/Z |  |



### Entladeströme in Ampere (25°C)

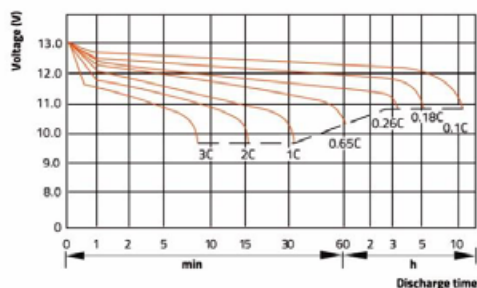
| U <sub>s</sub><br>(V/Zelle) | 5min   | 10min  | 15min  | 20min  | 30min  | 1h     | 2h    | 3h    | 5h    | 8h    | 10h   |
|-----------------------------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 1,60                        | 510,00 | 390,24 | 327,00 | 265,19 | 194,84 | 107,97 | 65,14 | 45,36 | 28,41 | 18,53 | 15,09 |
| 1,65                        | 482,00 | 375,50 | 315,00 | 256,41 | 188,14 | 104,68 | 63,78 | 44,00 | 28,00 | 18,35 | 14,99 |
| 1,67                        | 460,00 | 363,22 | 305,00 | 249,06 | 183,18 | 102,64 | 62,62 | 43,16 | 27,64 | 18,18 | 14,89 |
| 1,70                        | 449,08 | 350,84 | 294,00 | 241,91 | 178,51 | 100,60 | 61,70 | 42,32 | 27,16 | 18,07 | 14,80 |
| 1,75                        | 425,00 | 330,29 | 282,00 | 229,80 | 170,46 | 97,53  | 59,99 | 41,06 | 27,00 | 17,83 | 14,60 |
| 1,80                        | 395,00 | 308,01 | 265,00 | 216,54 | 161,61 | 93,56  | 58,07 | 39,38 | 26,22 | 17,63 | 14,51 |

### Entladeleistung in Watt/Zelle (25°C)

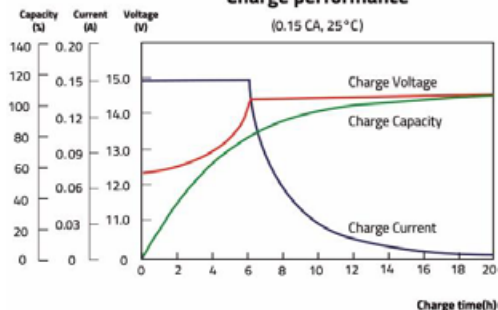
| U <sub>s</sub><br>(V/Zelle) | 5min   | 10min  | 15min  | 20min  | 30min  | 1h     | 2h     | 3h    | 5h    | 8h    | 10h   |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 1,60                        | 898,00 | 715,00 | 602,00 | 479,40 | 374,67 | 219,30 | 124,44 | 85,35 | 57,86 | 38,90 | 31,82 |
| 1,65                        | 852,00 | 685,00 | 585,00 | 465,12 | 367,43 | 213,18 | 121,38 | 82,84 | 56,89 | 38,14 | 31,08 |
| 1,67                        | 830,00 | 660,00 | 570,00 | 448,80 | 360,18 | 209,10 | 118,32 | 81,11 | 55,53 | 37,55 | 30,87 |
| 1,70                        | 805,00 | 635,00 | 550,00 | 432,48 | 351,90 | 205,02 | 116,52 | 79,39 | 54,94 | 37,20 | 30,56 |
| 1,75                        | 778,00 | 609,00 | 525,00 | 416,16 | 341,55 | 198,90 | 114,44 | 78,05 | 53,97 | 36,46 | 30,03 |
| 1,80                        | 748,00 | 580,00 | 502,00 | 398,82 | 328,10 | 190,74 | 111,18 | 76,61 | 52,32 | 35,41 | 29,09 |

### Weitere Entlade-, Lade- und Zyklendaten

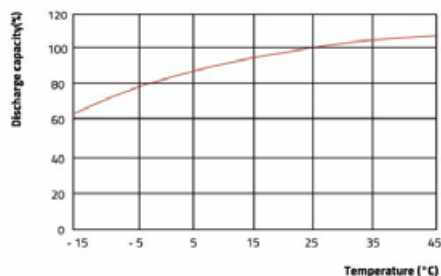
Discharge performance



Charge performance



Temperature vs. capacity



Design life vs. temperature

