

## Sprinter P-XP / XP12V4000

### INDUSTRIAL BATTERIES / NETWORK POWER

The extremely powerful, compact AGM batteries of the Sprinter P and Sprinter XP series are an ideal energy source for uninterrupted power supply and are particularly good in UPS applications and other security systems. GNB's experience and innovation with VRLA technology makes Sprinter batteries the preferred choice for high rate emergency battery backup.

**Part Number: NAXP124000HP0FA**



### APPLICATIONS



### SPECIFICATIONS

- Maintenance-free (no topping up) during the whole service life
- High-Compression Absorbent Glass Mat (AGM) technology
- Design life: »10-12 Years – Long Life« according to EUROBAT 2015 classification
- Available as standard or flame retardant version (UL 94-V0)
- Designed in accordance with IEC 60896-21/-22
- Grid plates with superior lead calcium alloy for excellent corrosion resistance
- Very low gassing due to internal gas recombination (99% efficiency)
- No restrictions for rail, road, sea and air transportation (IATA, DGR clause A67) – trouble-free transportation of operational blocks
- Approval: UL (Underwriters Laboratories)
- Manufactured in Europe in our ISO 9001 certified production plants



Design life  
10-12 years  
– Long Life



Block battery



Grid plate



Recyclable



Valve  
regulated  
lead-acid  
batteries



Maintenance  
free (no  
topping up)



Special high  
current  
performance

### RECYCLE WITH EXIDE.



Exide Technologies takes pride in its commitment to a better environment. An integrated approach to manufacturing, distributing and recycling of lead-acid batteries has been developed to ensure a safe and responsible life cycle for all of its products.



For more information please  
[contact your local dealer](#)

## TECHNICAL CHARACTERISTICS AND DATA

|                              |                                                             |
|------------------------------|-------------------------------------------------------------|
| <b>Nominal voltage</b>       | 12 V                                                        |
| <b>Float charge</b>          | 2,27 V/C @ 25 °C                                            |
| <b>Capacity</b>              | CP 10min 1,6V/C 25°C 4100W/Bloc<br>CC 10h 1,8V/C 25°C 120Ah |
| <b>Short circuit current</b> | 2973 A (IEC60896-21/22)                                     |
| <b>Internal resistance</b>   | 4,22 mΩ (IEC60896-21/22)                                    |

|                                 |                          |
|---------------------------------|--------------------------|
| <b>Terminal</b>                 | F - M6                   |
| <b>Terminal Torque</b>          | 11 Nm                    |
| <b>Container</b>                | UL 94-HB (Polypropylene) |
| <b>Temperature range</b>        | -40°C to 55°C            |
| <b>Dimensions (l x b/w x h)</b> | 351 x 172 x 275 mm       |
| <b>Weight</b>                   | 43,6 kg                  |
| <b>Origin</b>                   | Castanheira, Portugal    |

## CONSTANT POWER DISCHARGE

| W @ 25 °C | 1 min | 2 min | 3 min | 5 min | 10 min | 15 min | 20 min | 30 min | 45 min | 1 h  | 2 h | 3 h | 5 h | 8 h | 10 h |
|-----------|-------|-------|-------|-------|--------|--------|--------|--------|--------|------|-----|-----|-----|-----|------|
| 1,900 V/C | 2857  | 2848  | 2841  | 2755  | 2420   | 2161   | 1862   | 1446   | 1076   | 865  | 535 | 373 | 236 | 153 | 123  |
| 1,850 V/C | 3191  | 3182  | 3177  | 3082  | 2792   | 2443   | 2141   | 1652   | 1230   | 988  | 573 | 396 | 250 | 162 | 132  |
| 1,800 V/C | 4762  | 4571  | 4353  | 3863  | 3165   | 2724   | 2383   | 1837   | 1354   | 1078 | 590 | 406 | 255 | 165 | 134  |
| 1,750 V/C | 5619  | 5190  | 4879  | 4282  | 3584   | 2959   | 2550   | 1921   | 1399   | 1110 | 613 | 417 | 263 | 169 | 136  |
| 1,700 V/C | 6335  | 5935  | 5488  | 4725  | 3863   | 3053   | 2606   | 1948   | 1419   | 1126 | 620 | 421 | 265 | 172 | 139  |
| 1,650 V/C | 6962  | 6335  | 5925  | 5103  | 4008   | 3194   | 2653   | 2001   | 1482   | 1173 | 641 | 438 | 276 | 178 | 144  |
| 1,600 V/C | 7350  | 6768  | 6313  | 5434  | 4100   | 3232   | 2699   | 2048   | 1505   | 1186 | 647 | 442 | 279 | 180 | 147  |

## CONSTANT CURRENT DISCHARGE

| A @ 25 °C | 1 min | 2 min | 3 min | 5 min | 10 min | 15 min | 20 min | 30 min | 45 min | 1 h  | 2 h  | 3 h  | 5 h  | 8 h  | 10 h | 20 h |
|-----------|-------|-------|-------|-------|--------|--------|--------|--------|--------|------|------|------|------|------|------|------|
| 1,900 V/C | 235   | 231   | 226   | 218   | 198    | 175    | 150    | 116    | 87,8   | 70,2 | 43   | 30,9 | 19,5 | 12,7 | 10,1 | 5,2  |
| 1,850 V/C | 273   | 269   | 265   | 259   | 238    | 206    | 179    | 138    | 103    | 81,5 | 46,7 | 33,3 | 21   | 13,7 | 10,9 | 5,7  |
| 1,800 V/C | 432   | 414   | 397   | 357   | 294    | 241    | 209    | 161    | 121    | 95,9 | 52,1 | 37   | 23,2 | 15,1 | 12   | 6,3  |
| 1,750 V/C | 510   | 479   | 449   | 405   | 327    | 265    | 223    | 168    | 125    | 99,5 | 54,3 | 38   | 24   | 15,4 | 12,3 | 6,3  |
| 1,700 V/C | 582   | 542   | 499   | 441   | 353    | 279    | 231    | 170    | 126    | 100  | 54,8 | 38,4 | 24,2 | 15,7 | 12,5 | 6,4  |
| 1,650 V/C | 627   | 585   | 541   | 479   | 367    | 288    | 237    | 176    | 133    | 105  | 56,6 | 39,8 | 25,1 | 16,2 | 13   | 6,7  |
| 1,600 V/C | 670   | 620   | 576   | 509   | 380    | 296    | 241    | 179    | 134    | 106  | 57,2 | 40,2 | 25,4 | 16,4 | 13,2 | 6,9  |

## Float Voltage vs Temperature

