

Industrial Batteries / Network Power

Sonnenschein A700



»The durable high energy
 and reliable battery system«



Industrial Batteries

The strong range of Network Power

Energy storage solutions for critical systems that require uninterrupted power supply. GNB® Industrial Power offers powerful batteries for your individual needs. The below table is only indicative and depends on customers' specific applications. For more information please ask a GNB sales representative.

| Applica-tions | Battery ranges | | | | | | | | | | | | | | | | | | | |
|--------------------|----------------|---------|------|------|-------|------|-------------|--------|----------|---|------|----------|----------|---------|------|------|------|-----------------|-------|------|
| | Sonnenschein | | | | | | Marathon | | Sprinter | | | Absolyte | Powerfit | Classic | | | | | | |
| | A400/A600 | A400 FT | A500 | A700 | SOLAR | RAIL | Power Cycle | M - FT | M/L/ XL | S | P/XP | XP - FT | GP/GX | S300 | GRoE | OCSM | OPzS | Energy Bloc/OGi | Solar | rail |
| Telecom | ● | ● | ● | ● | | | ● | ● | ● | ● | ● | ● | ● | | | ● | ● | ● | | |
| UPS | | ● | ● | ● | | | ● | ● | ● | ● | ● | ● | ● | | | ● | | ● | | |
| Emergency lighting | ● | | ● | | | | | ● | | ● | ● | | ● | ● | | | ● | ● | | |
| Security | ● | | ● | ● | | | | | | ● | ● | | | ● | | ● | ● | | | |
| Utility | ● | ● | | ● | | | ● | ● | ● | | | ● | | | ● | ● | ● | ● | | |
| Railways | ● | ● | ● | ● | | ● | ● | ● | ● | ● | | ● | | | | ● | | ● | | ● |
| Photovoltaic | | | | | ● | | ● | | | | | ● | | | | | | | ● | |
| Universal | ● | ● | ● | ● | | | ● | ● | ● | ● | ● | ● | ● | ● | | ● | ● | ● | | |

The GNB Network Power brand overview

ABSOLYTE®

MARATHON®

Sprinter®

Powerfit®

- > VRLA batteries (Valve Regulated Lead Acid) in which the electrolyte is fixed in an absorbent glass mat (AGM)
- > Excellent high current capability
- > Very economical
- > Maintenance-free (no topping up)



- > VRLA batteries (Valve Regulated Lead Acid) in which the electrolyte is fixed in a gel (dryfit technology)
- > Inventor of Gel technology
- > Highest reliability, even in non-optimal conditions
- > Particularly suitable for cyclic applications
- > Maintenance-free (no topping up)

Classic®

- > Conventional lead-acid batteries with liquid electrolyte
- > Extreme reliability, proven over decades
- > Low maintenance



> Further information about service is available on page 10

Sonnenschein A700

The durable high energy and reliable battery system

The benefit of the Sonnenschein A700 batteries result from the globally proved and successful dryfit technology. The Sonnenschein A700 combines excellent high current capability with a reliable energy storage capacity. Due to the dryfit technology the Sonnenschein A700 is maintenance free (no topping up) for the whole operating life.

Your benefits:

- > **dryfit Gel technology** – leak proof
- > **Lowest energy consumption** – saving costs
- > **Robust design** – resilient in harsh conditions
- > **Proof against deep discharge** – greater long-term energy delivery
- > **Completely recyclable** – low CO₂-footprint



Specifications

- > Nominal capacity 63 – 280 Ah C₁₀
- > Case material polypropylene (PP)
- > 6 volt and 4 volt blocks
- > Thick grid plates with high quality lead calcium alloy, for enhanced corrosion resistance and stability
- > Very low gassing due to internal gas recombination
- > Trouble-free transport of operational blocks, no restrictions for rail, road, sea and air transportation (IATA, DGR clause A67)
- > Designed in accordance with IEC 60896-21/-22
- > Design life: »> 12 years – Very Long Life« according to EUROBAT 2015 classification
- > Shelf life up to 2 years at 20 °C without recharge due to the very low self-discharge rate
- > Manufactured in Europe in our ISO 9001 certified production plants



Design life
> 12 Years -
Very Long
Life



Nominal
Capacity
63.0 – 280 Ah



Block battery



Grid plate



Recyclable



Valve regulated
lead-acid
batteries



Proof
against deep
discharge



Maintenance
free (no
topping up)



Special high
Current
performance

Sonnenschein A700

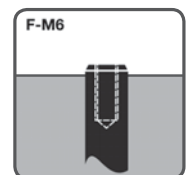
Technical Data

Technical characteristics and data

| Type | Part number | Type acc. to DIN 40 741 T1 | Nom. voltage V | Nominal capacity $C_{10} 1.80$ Vpc 20 °C Ah | Length (l) max. mm | Width (b/w) max. mm | Height up to top of cover (h1) max. mm | Height Over terminals (h2) max. mm | Installed length mm | Weight approx. kg | Internal resistance mOhm | Short circuit current A | Terminal |
|----------|-----------------|-------------------------------|----------------------|---|-----------------------|---------------------------|---|--|---------------------------|----------------------|--------------------------------|----------------------------------|----------|
| A704/245 | NGA7040245HS0FB | 4V 7 OGiV 224 | 4 | 245 | 250 | 232 | 296 | 327 | 260 | 35.5 | 1.70 | 3181 | F-M6 |
| A704/280 | NGA7040280HS0FB | 4V 8 OGiV 256 | 4 | 280 | 250 | 232 | 296 | 327 | 260 | 37.5 | 1.17 | 3490 | F-M6 |
| A706/63 | NGA7060063HS0FB | 6V 3 OGiV 54 | 6 | 63.0 | 198 | 178 | 241 | 272 | 208 | 16.3 | 5.80 | 1058 | F-M6 |
| A706/84 | NGA7060084HS0FB | 6V 4 OGiV 72 | 6 | 84.0 | 198 | 178 | 241 | 272 | 208 | 18.3 | 4.30 | 1409 | F-M6 |
| A706/105 | NGA7060105HS0FB | 6V 5 OGiV 90 | 6 | 105 | 282 | 178 | 241 | 272 | 292 | 24.5 | 3.60 | 1726 | F-M6 |
| A706/126 | NGA7060126HS0FB | 6V 6 OGiV 108 | 6 | 126 | 282 | 178 | 241 | 272 | 292 | 26.2 | 2.90 | 2092 | F-M6 |
| A706/140 | NGA7060140HS0FB | 6V 4 OGiV 128 | 6 | 140 | 285 | 232 | 296 | 327 | 295 | 36.3 | 3.00 | 2083 | F-M6 |
| A706/175 | NGA7060175HS0FB | 6V 5 OGiV 160 | 6 | 175 | 285 | 232 | 296 | 327 | 295 | 39.7 | 2.60 | 2383 | F-M6 |
| A706/210 | NGA7060210HS0FB | 6V 6 OGiV 192 | 6 | 210 | 285 | 232 | 296 | 327 | 295 | 42.9 | 2.20 | 2876 | F-M6 |

Container, approval, terminal and torque

- > **Container:** Polypropylene (PP)
- > **Approval:** Germanischer Lloyd (GL) · DIN/Gost/TÜV, Russia
Underwriter Laboratories (UL)

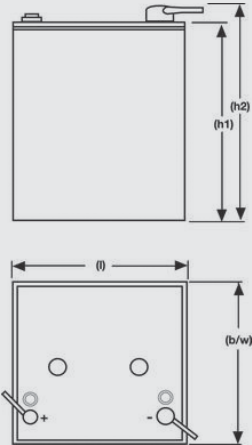


11 Nm

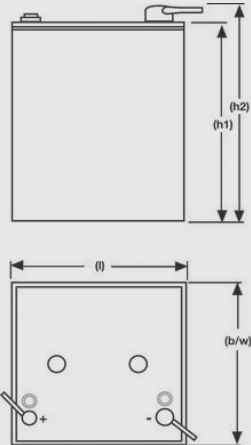
Sonnenschein A700

Drawings

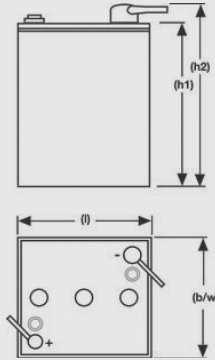
A704/245



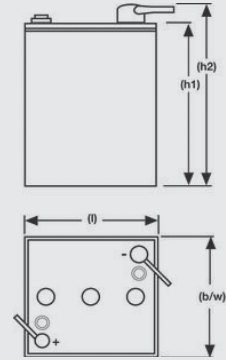
A704/280



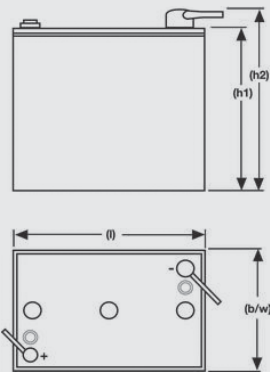
A706/63



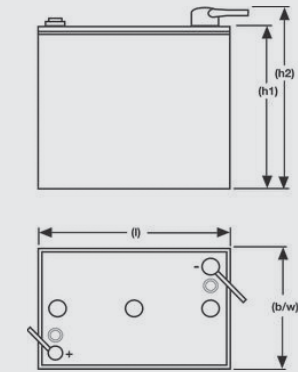
A706/84



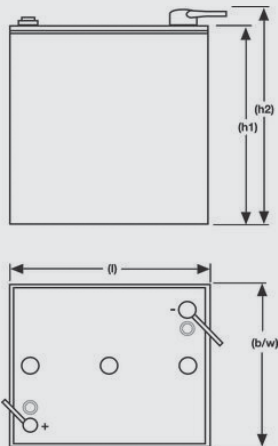
A706/105



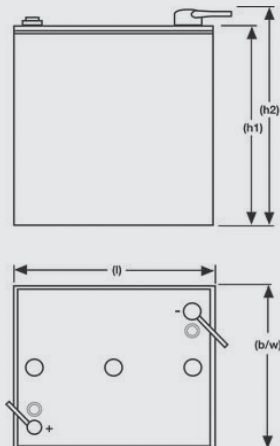
A706/126



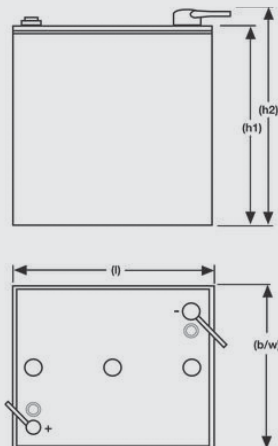
A706/140



A706/175



A706/210



Sonnenschein A700

Constant current discharge

1.80 Vpc – Discharge in A at 20 °C

| Type | Part number | 5 Min | 10 min | 15 min | 20 min | 30 min | 1 h | 2 h | 3 h | 5 h | 8 h | 10 h |
|----------|-----------------|-------|--------|--------|--------|--------|------|------|------|------|------|------|
| A704/245 | NGA7040245HS0FB | 356 | 332 | 283 | 252 | 220 | 143 | 88.3 | 64.9 | 44.8 | 30.4 | 24.5 |
| A704/280 | NGA7040280HS0FB | 406 | 380 | 323 | 288 | 251 | 163 | 100 | 74.2 | 51.2 | 34.7 | 28.0 |
| A706/63 | NGA7060063HS0FB | 108 | 93.9 | 79.2 | 69.3 | 56.7 | 34.5 | 21.9 | 16.5 | 11.1 | 7.70 | 6.30 |
| A706/84 | NGA7060084HS0FB | 145 | 125 | 105 | 92.4 | 75.6 | 46.0 | 29.3 | 22.0 | 14.8 | 10.3 | 8.40 |
| A706/105 | NGA7060105HS0FB | 181 | 156 | 132 | 115 | 94.5 | 57.5 | 36.6 | 27.6 | 18.5 | 12.9 | 10.5 |
| A706/126 | NGA7060126HS0FB | 217 | 187 | 158 | 138 | 113 | 69.0 | 43.9 | 33.1 | 22.2 | 15.5 | 12.6 |
| A706/140 | NGA7060140HS0FB | 203 | 190 | 161 | 144 | 125 | 81.8 | 50.5 | 37.1 | 25.6 | 17.4 | 14.0 |
| A706/175 | NGA7060175HS0FB | 254 | 237 | 202 | 180 | 157 | 102 | 63.1 | 46.4 | 32.0 | 21.7 | 17.5 |
| A706/210 | NGA7060210HS0FB | 305 | 285 | 242 | 216 | 188 | 122 | 75.7 | 55.7 | 38.4 | 26.0 | 21.0 |

1.77 Vpc – Discharge in A at 20 °C

| Type | Part number | 5 Min | 10 min | 15 min | 20 min | 30 min | 1 h | 2 h | 3 h | 5 h | 8 h | 10 h |
|----------|-----------------|-------|--------|--------|--------|--------|------|------|------|------|------|------|
| A704/245 | NGA7040245HS0FB | 392 | 360 | 300 | 261 | 224 | 145 | 90.3 | 66.9 | 45.5 | 31.0 | 24.5 |
| A704/280 | NGA7040280HS0FB | 448 | 411 | 343 | 299 | 256 | 166 | 103 | 76.5 | 51.9 | 35.4 | 28.0 |
| A706/63 | NGA7060063HS0FB | 120 | 102 | 83.9 | 72.7 | 58.0 | 35.6 | 21.9 | 16.5 | 11.3 | 7.70 | 6.30 |
| A706/84 | NGA7060084HS0FB | 160 | 136 | 111 | 97.0 | 77.3 | 47.4 | 29.3 | 22.0 | 15.1 | 10.3 | 8.40 |
| A706/105 | NGA7060105HS0FB | 201 | 170 | 139 | 121 | 96.6 | 59.3 | 36.6 | 27.6 | 18.9 | 12.9 | 10.5 |
| A706/126 | NGA7060126HS0FB | 241 | 205 | 167 | 145 | 115 | 71.2 | 43.9 | 33.1 | 22.6 | 15.5 | 12.6 |
| A706/140 | NGA7060140HS0FB | 224 | 205 | 171 | 149 | 128 | 83.1 | 51.6 | 38.2 | 25.9 | 17.7 | 14.0 |
| A706/175 | NGA7060175HS0FB | 280 | 257 | 214 | 187 | 160 | 103 | 64.5 | 47.8 | 32.4 | 22.1 | 17.5 |
| A706/210 | NGA7060210HS0FB | 336 | 308 | 257 | 224 | 192 | 124 | 77.4 | 57.4 | 38.9 | 26.5 | 21.0 |

1.75 Vpc – Discharge in A at 20 °C

| Type | Part number | 5 Min | 10 min | 15 min | 20 min | 30 min | 1 h | 2 h | 3 h | 5 h | 8 h | 10 h |
|----------|-----------------|-------|--------|--------|--------|--------|------|------|------|------|------|------|
| A704/245 | NGA7040245HS0FB | 417 | 378 | 311 | 268 | 227 | 147 | 91.6 | 68.3 | 45.8 | 31.4 | 24.5 |
| A704/280 | NGA7040280HS0FB | 477 | 432 | 356 | 306 | 260 | 168 | 104 | 78.0 | 52.3 | 35.8 | 28.0 |
| A706/63 | NGA7060063HS0FB | 128 | 108 | 87.0 | 75.0 | 58.8 | 36.6 | 21.9 | 16.5 | 11.3 | 7.70 | 6.30 |
| A706/84 | NGA7060084HS0FB | 171 | 144 | 116 | 100 | 78.4 | 48.4 | 29.3 | 22.0 | 15.1 | 10.3 | 8.40 |
| A706/105 | NGA7060105HS0FB | 214 | 180 | 145 | 125 | 98.0 | 60.5 | 36.6 | 27.6 | 18.9 | 12.9 | 10.5 |
| A706/126 | NGA7060126HS0FB | 256 | 216 | 174 | 150 | 117 | 72.6 | 43.9 | 33.1 | 22.6 | 15.5 | 12.6 |
| A706/140 | NGA7060140HS0FB | 238 | 216 | 178 | 153 | 130 | 84.0 | 52.3 | 39.0 | 26.2 | 17.9 | 14.0 |
| A706/175 | NGA7060175HS0FB | 298 | 270 | 222 | 191 | 162 | 105 | 65.4 | 48.8 | 32.7 | 22.4 | 17.5 |
| A706/210 | NGA7060210HS0FB | 357 | 324 | 267 | 230 | 195 | 126 | 78.5 | 58.5 | 39.2 | 26.9 | 21.0 |

Sonnenschein A700

Constant current discharge

1.70 Vpc – Discharge in A at 20 °C

| Type | Part number | 5 Min | 10 min | 15 min | 20 min | 30 min | 1 h | 2 h | 3 h | 5 h | 8 h | 10 h |
|----------|-----------------|-------|--------|--------|--------|--------|------|------|------|------|------|------|
| A704/245 | NGA7040245HS0FB | 466 | 409 | 340 | 291 | 240 | 149 | 91.6 | 68.3 | 45.8 | 31.4 | 24.5 |
| A704/280 | NGA7040280HS0FB | 532 | 468 | 389 | 332 | 275 | 170 | 104 | 78.0 | 52.3 | 35.8 | 28.0 |
| A706/63 | NGA7060063HS0FB | 144 | 117 | 93.0 | 79.5 | 61.2 | 36.6 | 22.2 | 16.5 | 11.4 | 7.70 | 6.30 |
| A706/84 | NGA7060084HS0FB | 192 | 156 | 124 | 106 | 81.6 | 48.4 | 29.7 | 22.0 | 15.3 | 10.3 | 8.40 |
| A706/105 | NGA7060105HS0FB | 240 | 195 | 155 | 132 | 102 | 60.5 | 37.1 | 27.6 | 19.1 | 12.9 | 10.5 |
| A706/126 | NGA7060126HS0FB | 288 | 234 | 186 | 159 | 122 | 72.6 | 44.5 | 33.1 | 22.9 | 15.5 | 12.6 |
| A706/140 | NGA7060140HS0FB | 266 | 234 | 194 | 166 | 137 | 85.2 | 52.3 | 39.0 | 26.2 | 17.9 | 14.0 |
| A706/175 | NGA7060175HS0FB | 333 | 292 | 243 | 208 | 172 | 106 | 65.4 | 48.8 | 32.7 | 22.4 | 17.5 |
| A706/210 | NGA7060210HS0FB | 399 | 351 | 291 | 249 | 206 | 127 | 78.5 | 58.5 | 39.2 | 26.9 | 21.0 |

1.65 Vpc – Discharge in A at 20 °C

| Type | Part number | 5 Min | 10 min | 15 min | 20 min | 30 min | 1 h | 2 h | 3 h | 5 h | 8 h | 10 h |
|----------|-----------------|-------|--------|--------|--------|--------|------|------|------|------|------|------|
| A704/245 | NGA7040245HS0FB | 508 | 431 | 353 | 299 | 243 | 149 | 91.9 | 68.6 | 45.8 | 31.4 | 24.5 |
| A704/280 | NGA7040280HS0FB | 581 | 493 | 404 | 342 | 278 | 170 | 105 | 78.4 | 52.3 | 35.8 | 28.0 |
| A706/63 | NGA7060063HS0FB | 156 | 123 | 97.5 | 80.7 | 61.2 | 36.6 | 22.2 | 16.9 | 11.4 | 7.70 | 6.30 |
| A706/84 | NGA7060084HS0FB | 208 | 164 | 130 | 107 | 81.6 | 48.8 | 29.7 | 22.5 | 15.3 | 10.3 | 8.40 |
| A706/105 | NGA7060105HS0FB | 260 | 205 | 162 | 134 | 102 | 61.0 | 37.1 | 28.1 | 19.1 | 12.9 | 10.5 |
| A706/126 | NGA7060126HS0FB | 312 | 246 | 195 | 161 | 122 | 73.2 | 44.5 | 33.7 | 22.9 | 15.5 | 12.6 |
| A706/140 | NGA7060140HS0FB | 290 | 246 | 202 | 171 | 139 | 85.3 | 52.5 | 39.2 | 26.2 | 17.9 | 14.0 |
| A706/175 | NGA7060175HS0FB | 363 | 308 | 252 | 214 | 173 | 106 | 65.7 | 49.0 | 32.7 | 22.4 | 17.5 |
| A706/210 | NGA7060210HS0FB | 436 | 369 | 303 | 256 | 208 | 128 | 78.8 | 58.8 | 39.2 | 26.9 | 21.0 |

1.60 Vpc – Discharge in A at 20 °C

| Type | Part number | 5 Min | 10 min | 15 min | 20 min | 30 min | 1 h | 2 h | 3 h | 5 h | 8 h | 10 h |
|----------|-----------------|-------|--------|--------|--------|--------|------|------|------|------|------|------|
| A704/245 | NGA7040245HS0FB | 541 | 444 | 364 | 303 | 243 | 149 | 91.9 | 68.6 | 45.8 | 31.4 | 24.5 |
| A704/280 | NGA7040280HS0FB | 619 | 507 | 416 | 346 | 278 | 170 | 105 | 78.4 | 52.3 | 35.8 | 28.0 |
| A706/63 | NGA7060063HS0FB | 165 | 127 | 99.6 | 80.7 | 61.5 | 36.6 | 22.2 | 16.9 | 11.4 | 7.70 | 6.30 |
| A706/84 | NGA7060084HS0FB | 220 | 170 | 132 | 107 | 82.0 | 48.8 | 29.7 | 22.5 | 15.3 | 10.3 | 8.40 |
| A706/105 | NGA7060105HS0FB | 275 | 212 | 166 | 134 | 102 | 61.0 | 37.1 | 28.1 | 19.1 | 12.9 | 10.5 |
| A706/126 | NGA7060126HS0FB | 330 | 255 | 199 | 161 | 123 | 73.2 | 44.5 | 33.7 | 22.9 | 15.5 | 12.6 |
| A706/140 | NGA7060140HS0FB | 309 | 253 | 208 | 173 | 139 | 85.3 | 52.5 | 39.2 | 26.2 | 17.9 | 14.0 |
| A706/175 | NGA7060175HS0FB | 387 | 317 | 260 | 216 | 173 | 106 | 65.7 | 49.0 | 32.7 | 22.4 | 17.5 |
| A706/210 | NGA7060210HS0FB | 464 | 380 | 312 | 260 | 208 | 128 | 78.8 | 58.8 | 39.2 | 26.9 | 21.0 |

Sonnenschein A700

Constant power discharge

1.80 Vpc – Discharge in W/block at 20 °C

| Type | Part number | 5 Min | 10 min | 15 min | 20 min | 30 min | 1 h | 2 h | 3 h | 5 h |
|----------|-----------------|-------|--------|--------|--------|--------|-----|-----|------|------|
| A704/245 | NGA7040245HS0FB | 1175 | 1034 | 944 | 855 | 747 | 512 | 344 | 254 | 173 |
| A704/280 | NGA7040280HS0FB | 1342 | 1182 | 1079 | 977 | 854 | 585 | 393 | 290 | 198 |
| A706/63 | NGA7060063HS0FB | 558 | 472 | 411 | 362 | 292 | 194 | 123 | 93.0 | 63.0 |
| A706/84 | NGA7060084HS0FB | 744 | 629 | 548 | 482 | 389 | 258 | 164 | 124 | 84.0 |
| A706/105 | NGA7060105HS0FB | 930 | 786 | 685 | 603 | 486 | 323 | 205 | 155 | 105 |
| A706/126 | NGA7060126HS0FB | 1115 | 944 | 822 | 724 | 584 | 388 | 246 | 186 | 126 |
| A706/140 | NGA7060140HS0FB | 1007 | 886 | 809 | 733 | 640 | 439 | 295 | 218 | 148 |
| A706/175 | NGA7060175HS0FB | 1259 | 1108 | 1012 | 916 | 801 | 548 | 368 | 272 | 185 |
| A706/210 | NGA7060210HS0FB | 1510 | 1330 | 1214 | 1099 | 961 | 658 | 442 | 327 | 222 |

1.77 Vpc – Discharge in W/block at 20 °C

| Type | Part number | 5 Min | 10 min | 15 min | 20 min | 30 min | 1 h | 2 h | 3 h | 5 h |
|----------|-----------------|-------|--------|--------|--------|--------|-----|-----|------|------|
| A704/245 | NGA7040245HS0FB | 1264 | 1111 | 1002 | 906 | 768 | 523 | 350 | 258 | 175 |
| A704/280 | NGA7040280HS0FB | 1445 | 1270 | 1145 | 1035 | 878 | 598 | 400 | 295 | 200 |
| A706/63 | NGA7060063HS0FB | 596 | 496 | 432 | 377 | 300 | 197 | 125 | 93.0 | 63.0 |
| A706/84 | NGA7060084HS0FB | 795 | 661 | 576 | 503 | 401 | 263 | 166 | 124 | 84.0 |
| A706/105 | NGA7060105HS0FB | 994 | 826 | 719 | 629 | 501 | 328 | 208 | 155 | 105 |
| A706/126 | NGA7060126HS0FB | 1193 | 992 | 863 | 755 | 601 | 394 | 249 | 186 | 126 |
| A706/140 | NGA7060140HS0FB | 1083 | 952 | 859 | 776 | 659 | 449 | 300 | 222 | 150 |
| A706/175 | NGA7060175HS0FB | 1354 | 1190 | 1074 | 971 | 823 | 561 | 375 | 277 | 188 |
| A706/210 | NGA7060210HS0FB | 1625 | 1428 | 1288 | 1165 | 988 | 673 | 450 | 332 | 225 |

1.75 Vpc – Discharge in W/block at 20 °C

| Type | Part number | 5 Min | 10 min | 15 min | 20 min | 30 min | 1 h | 2 h | 3 h | 5 h |
|----------|-----------------|-------|--------|--------|--------|--------|-----|-----|------|------|
| A704/245 | NGA7040245HS0FB | 1353 | 1187 | 1060 | 957 | 790 | 535 | 353 | 260 | 176 |
| A704/280 | NGA7040280HS0FB | 1547 | 1357 | 1211 | 1094 | 902 | 611 | 404 | 297 | 201 |
| A706/63 | NGA7060063HS0FB | 635 | 520 | 452 | 393 | 309 | 200 | 126 | 96.0 | 63.0 |
| A706/84 | NGA7060084HS0FB | 847 | 693 | 603 | 524 | 412 | 267 | 168 | 128 | 84.0 |
| A706/105 | NGA7060105HS0FB | 1058 | 866 | 754 | 655 | 515 | 334 | 210 | 160 | 105 |
| A706/126 | NGA7060126HS0FB | 1270 | 1040 | 905 | 786 | 618 | 400 | 252 | 192 | 126 |
| A706/140 | NGA7060140HS0FB | 1160 | 1018 | 908 | 820 | 677 | 458 | 303 | 223 | 151 |
| A706/175 | NGA7060175HS0FB | 1450 | 1272 | 1135 | 1025 | 846 | 573 | 379 | 279 | 189 |
| A706/210 | NGA7060210HS0FB | 1740 | 1527 | 1363 | 1230 | 1015 | 688 | 454 | 335 | 226 |

Sonnenschein A700

Constant power discharge

1.70 Vpc – Discharge in W/block at 20 °C

| Type | Part number | 5 Min | 10 min | 15 min | 20 min | 30 min | 1 h | 2 h | 3 h | 5 h |
|----------|-----------------|-------|--------|--------|--------|--------|-----|-----|------|------|
| A704/245 | NGA7040245HS0FB | 1519 | 1313 | 1162 | 1025 | 825 | 546 | 358 | 262 | 176 |
| A704/280 | NGA7040280HS0FB | 1736 | 1501 | 1328 | 1172 | 943 | 624 | 409 | 300 | 202 |
| A706/63 | NGA7060063HS0FB | 689 | 568 | 477 | 412 | 319 | 203 | 129 | 96.0 | 65.0 |
| A706/84 | NGA7060084HS0FB | 919 | 758 | 636 | 550 | 425 | 271 | 172 | 128 | 86.0 |
| A706/105 | NGA7060105HS0FB | 1148 | 947 | 795 | 687 | 532 | 338 | 215 | 160 | 108 |
| A706/126 | NGA7060126HS0FB | 1378 | 1137 | 954 | 825 | 638 | 406 | 258 | 192 | 129 |
| A706/140 | NGA7060140HS0FB | 1302 | 1125 | 996 | 879 | 707 | 468 | 307 | 225 | 151 |
| A706/175 | NGA7060175HS0FB | 1628 | 1407 | 1245 | 1098 | 884 | 585 | 383 | 281 | 189 |
| A706/210 | NGA7060210HS0FB | 1954 | 1688 | 1494 | 1318 | 1060 | 702 | 460 | 337 | 227 |

1.65 Vpc – Discharge in W/block at 20 °C

| Type | Part number | 5 Min | 10 min | 15 min | 20 min | 30 min | 1 h | 2 h | 3 h | 5 h |
|----------|-----------------|-------|--------|--------|--------|--------|-----|-----|------|------|
| A704/245 | NGA7040245HS0FB | 1634 | 1393 | 1226 | 1070 | 846 | 551 | 359 | 263 | 177 |
| A704/280 | NGA7040280HS0FB | 1868 | 1592 | 1401 | 1223 | 967 | 630 | 410 | 300 | 203 |
| A706/63 | NGA7060063HS0FB | 753 | 605 | 492 | 423 | 324 | 204 | 129 | 96.0 | 65.0 |
| A706/84 | NGA7060084HS0FB | 1003 | 807 | 655 | 564 | 432 | 272 | 172 | 128 | 86.0 |
| A706/105 | NGA7060105HS0FB | 1254 | 1008 | 819 | 705 | 540 | 340 | 215 | 160 | 108 |
| A706/126 | NGA7060126HS0FB | 1505 | 1210 | 983 | 846 | 648 | 408 | 258 | 192 | 129 |
| A706/140 | NGA7060140HS0FB | 1401 | 1194 | 1051 | 917 | 725 | 472 | 308 | 225 | 152 |
| A706/175 | NGA7060175HS0FB | 1751 | 1492 | 1313 | 1147 | 906 | 591 | 385 | 282 | 190 |
| A706/210 | NGA7060210HS0FB | 2101 | 1790 | 1576 | 1376 | 1087 | 709 | 462 | 338 | 228 |

1.60 Vpc – Discharge in W/block at 20 °C

| Type | Part number | 5 Min | 10 min | 15 min | 20 min | 30 min | 1 h | 2 h | 3 h | 5 h |
|----------|-----------------|-------|--------|--------|--------|--------|-----|-----|------|------|
| A704/245 | NGA7040245HS0FB | 1762 | 1476 | 1285 | 1098 | 858 | 553 | 360 | 264 | 177 |
| A704/280 | NGA7040280HS0FB | 2014 | 1687 | 1468 | 1255 | 980 | 633 | 411 | 301 | 203 |
| A706/63 | NGA7060063HS0FB | 798 | 630 | 503 | 429 | 326 | 205 | 129 | 96.0 | 66.0 |
| A706/84 | NGA7060084HS0FB | 1064 | 840 | 670 | 571 | 435 | 273 | 172 | 128 | 88.0 |
| A706/105 | NGA7060105HS0FB | 1329 | 1050 | 838 | 714 | 544 | 341 | 215 | 160 | 110 |
| A706/126 | NGA7060126HS0FB | 1595 | 1260 | 1005 | 857 | 653 | 409 | 258 | 192 | 132 |
| A706/140 | NGA7060140HS0FB | 1510 | 1265 | 1101 | 941 | 735 | 474 | 309 | 226 | 152 |
| A706/175 | NGA7060175HS0FB | 1888 | 1582 | 1376 | 1177 | 919 | 593 | 386 | 283 | 190 |
| A706/210 | NGA7060210HS0FB | 2265 | 1898 | 1652 | 1412 | 1103 | 712 | 463 | 339 | 228 |

Battery Service – Energy Solutions

Keeping your business on the move

GNB® is the Expert

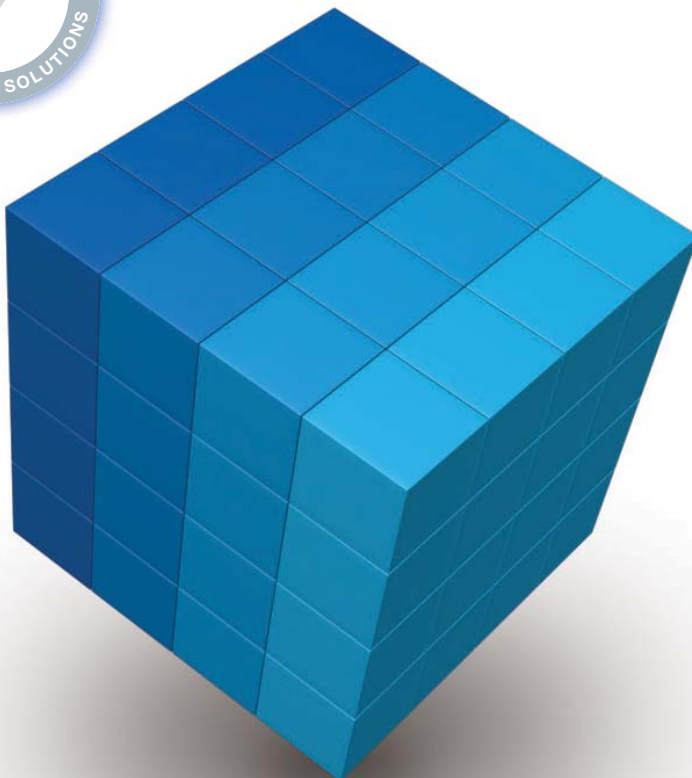
Who could do this job better than the professionals of a company with more than 100 years of experience in battery development, production and application?

Leave the responsibility for the maintenance of your batteries and chargers to the professionals: a GNB service contract provides you with exceptional economic advantages through time savings, cost savings and safety!



Installation of Batteries and Systems for Network Power

- > Development of complete turnkey solutions from the design concept to installation and commissioning.
- > Installation according to legal and safety regulations including CE certification by approved installation technicians.
- > Training and certification of external installation technicians according to CE regulations.



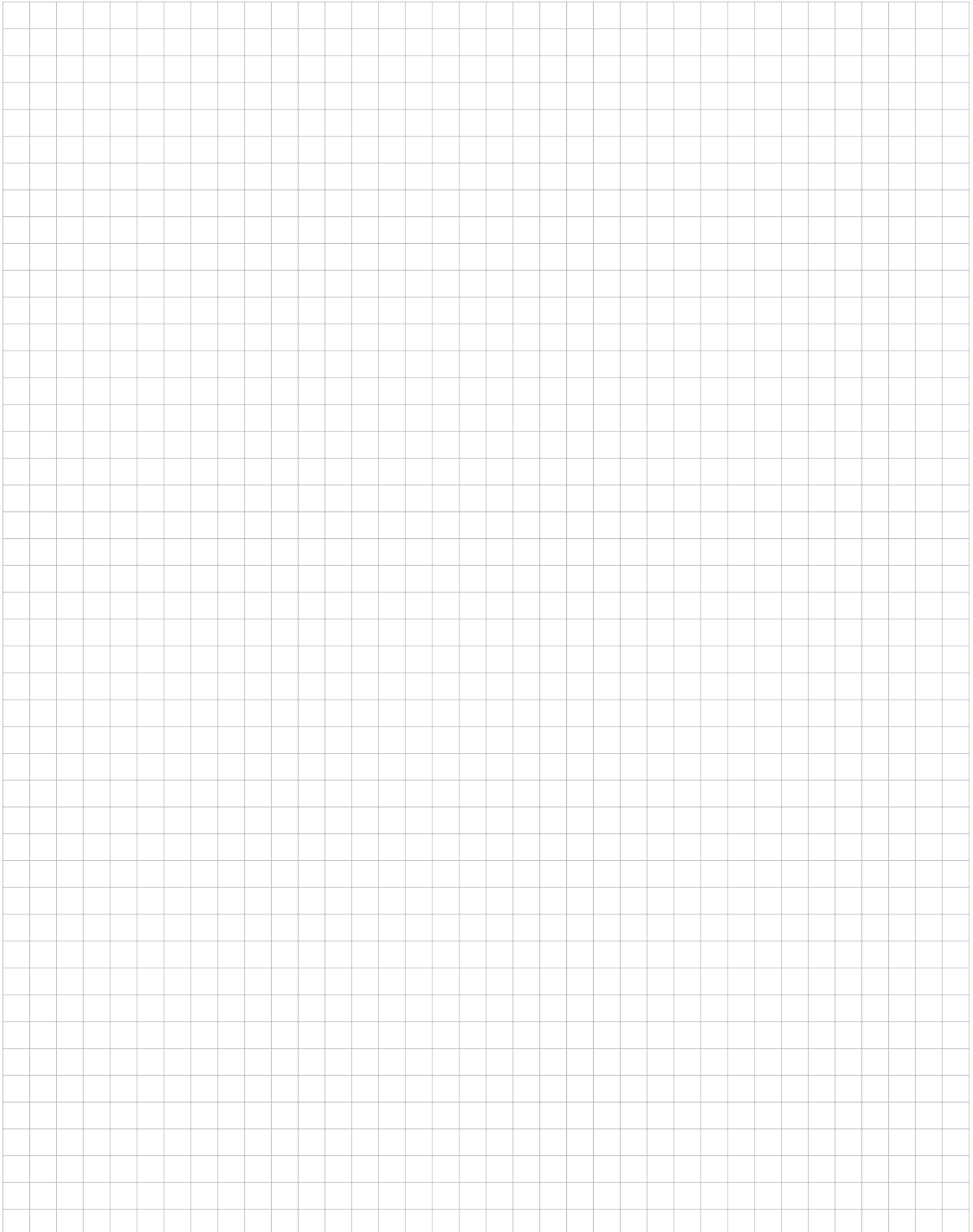
- ✦ Inspection Contract
- ✦ Maintenance Contract
- ✦ Lifetime Warranty Contract
- ✦ Full Service Contract



»GNB Service – individualized, professional and all over Europe!«

Sonnenschein A700

Notes

A large, empty grid of small squares, typical of graph paper, intended for taking notes. The grid consists of approximately 30 columns and 50 rows of squares.



Exide Technologies, with operations in more than 80 countries, is one of the world's largest producers and recyclers of lead-acid batteries. Exide Technologies provides a comprehensive and customized range of stored electrical energy solutions. Based on over 120 years of experience in the development of innovative technologies, Exide Technologies is an esteemed partner of OEMs and serves the spare parts market for industrial and automotive applications.

GNB Industrial Power – A division of Exide Technologies – offers an extensive range of storage products and services, including solutions for telecommunication systems, railway applications, mining, photovoltaic (solar energy), uninterrupted power supply (UPS), electrical power generation and distribution, fork lifts and electric vehicles.

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.