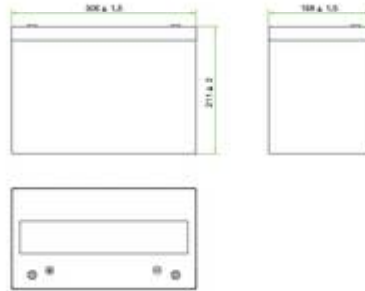




BTX 12-90LS

12V-90Ah · High Rate
2000W @ 15 minutes



Electrical Specifications

| | | |
|--|----------------------------|-------------|
| Nominal Voltage | | 12 V |
| Nominal Capacity (10hr 1,8V/C at 25°C) | | 91,6 Ah |
| Capacity at 25°C to 1,8V | 20 hour rate | 95,2 Ah |
| | 10 hour rate | 91,6 Ah |
| | 8 hour rate | 86,4 Ah |
| | 3 hour rate | 72,6 Ah |
| | 1 hour rate | 60,5 Ah |
| Self discharge @ 20°C | per month | 2 - 2,5 % |
| Internal Resistance | | 4 mΩ |
| Short Circuit Current | | >1500 A |
| Charge Voltage @25°C | Standby (-3mV/°C) | 2,29 V/Cell |
| | Cyclic Imax: 27A (-3mV/°C) | 2,40 V/Cell |

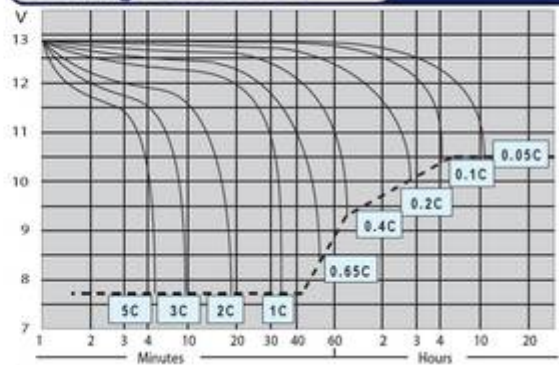
Innovative Features

- Design life up to 12 years (High Performance)
- BTX-LS batteries are maintenance free
- High Discharge Rate
- Lead-Calcium casted grids
- AGM separators for improved electrolyte distribution
- BTX-LS Capacity range: 17-200Ah
- Designed in conformance with the DIN EN 60896-2:1997 standard
- Extremely low gassing
- Reduced self discharge
- 100% recyclable
- No limitations for transport via road, rail, boat or air

Other Specifications

| | | |
|-------------------------|--------------|--------------------------|
| Design Life | | up to 12 Years |
| Dimensions | LxWxH | 306*168*211 mm |
| | Total height | 224 mm |
| Operating Temperature | | -20 to +50 °C |
| Separator | | Absorbant Glass Mat |
| Grid alloy | | Calcium / Tin lead alloy |
| Case and cover | | ABS |
| Electrolyte | | Sulphuric Acid |
| Terminal | | M6 insert |
| Optional terminal types | | Cu/Lead Flag |
| Torque setting | | 7 - 9 Nm |
| Weight | | 30,0 Kg |

Discharge Curve @ 20°C



Constant Power Discharge - Watts per Cell at 20°C

| V/Cell | 5 min | 10 min | 15 min | 30 min | 45 min | 1 hr | 2 hr | 5 hr | 10 hr | 20 hr |
|--------|-------|--------|--------|--------|--------|------|------|------|-------|-------|
| 1,65 V | 517 | 404 | 321 | 204 | 150 | 118 | 66,3 | 33,1 | 19,5 | 10,4 |
| 1,70 V | 494 | 389 | 308 | 197 | 145 | 115 | 64,6 | 32,3 | 19,1 | 10,2 |
| 1,75 V | 486 | 373 | 298 | 190 | 141 | 111 | 62,8 | 31,6 | 18,7 | 10,0 |
| 1,80 V | 448 | 357 | 286 | 183 | 136 | 108 | 61,1 | 30,8 | 18,3 | 9,9 |



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