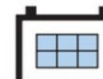


# GF06240V



| PHYSICAL SPECIFICATIONS                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                   |      |                    |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------|------|--------------------|
| Lenght (mm)                                                                          | Base Lenght (mm)                                                                    | Width (mm)                                                                          |                                                                                     | Base Width (mm)                                                                     |                                                                                      | Lid Height (mm)                                                                       |                                                                                       | Total Height (mm) |      | Weight +/- 5% (Kg) |
| 311                                                                                  | 296                                                                                 | 181                                                                                 |                                                                                     | 177                                                                                 |                                                                                      | 336                                                                                   |                                                                                       | 358               |      | 48.0               |
| TECHNICAL DATA                                                                       |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                   |      |                    |
| Terminal                                                                             |                                                                                     |                                                                                     |                                                                                     | Container Material                                                                  |                                                                                      |                                                                                       |                                                                                       | Bolt Torque Value |      |                    |
| Conical (DIN A, EN 60095-2)                                                          |                                                                                     |                                                                                     |                                                                                     | UL 94-HB (PP)                                                                       |                                                                                      |                                                                                       |                                                                                       | 8 +/-1 Nm         |      |                    |
| PERFORMANCE DATA                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                   |      |                    |
| Discharge Rate                                                                       | Capacity                                                                            | End of Discharge Voltage (V)                                                        |                                                                                     | Effective Runtime (h)                                                               |                                                                                      | Energy Density                                                                        |                                                                                       | Power Density     |      |                    |
| H                                                                                    | Ah                                                                                  | 60% DOD                                                                             | 80% DOD                                                                             | 60% DOD                                                                             | 80% DOD                                                                              | Wh/L                                                                                  | Wh/Kg                                                                                 | W/L               | W/Kg |                    |
| 20,0                                                                                 | 270,0                                                                               | 2,01                                                                                | 1,98                                                                                | 10,7                                                                                | 14,2                                                                                 | 90,4                                                                                  | 33,9                                                                                  | 4,5               | 1,7  |                    |
| 10,0                                                                                 | 255,0                                                                               | 2,00                                                                                | 1,97                                                                                | 5,6                                                                                 | 7,5                                                                                  | 84,9                                                                                  | 31,9                                                                                  | 8,5               | 3,2  |                    |
| 5,0                                                                                  | 240,0                                                                               | 1,98                                                                                | 1,93                                                                                | 3,8                                                                                 | 4,0                                                                                  | 78,4                                                                                  | 29,4                                                                                  | 15,7              | 5,9  |                    |
| 3,0                                                                                  | 216,0                                                                               | 1,96                                                                                | 1,89                                                                                | 2,0                                                                                 | 2,7                                                                                  | 70,2                                                                                  | 26,3                                                                                  | 23,4              | 8,8  |                    |
| 2,0                                                                                  | 191,0                                                                               | 1,93                                                                                | 1,78                                                                                | 1,5                                                                                 | 2,0                                                                                  | 60,4                                                                                  | 22,7                                                                                  | 30,2              | 11,3 |                    |
| 1,0                                                                                  | 143,0                                                                               | 1,90                                                                                | 1,63                                                                                | 1,0                                                                                 | 1,0                                                                                  | 44,3                                                                                  | 16,6                                                                                  | 44,3              | 16,6 |                    |
| 0,5                                                                                  | 111,0                                                                               | 1,57                                                                                | 1,57                                                                                | 0,5                                                                                 | 0,5                                                                                  | 33,5                                                                                  | 12,6                                                                                  | 66,9              | 25,1 |                    |
| 0,2                                                                                  | 82,0                                                                                | 1,40                                                                                | 1,40                                                                                | 0,2                                                                                 | 0,2                                                                                  | 24,4                                                                                  | 9,2                                                                                   | 122,2             | 45,9 |                    |
| Typical values after 20 to 50 C5 cycles at 30°C                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                   |      |                    |
| Cyclic Performance                                                                   |                                                                                     |                                                                                     |                                                                                     | according to IEC 60254-1 DOD 70%                                                    |                                                                                      |                                                                                       |                                                                                       | 700               |      |                    |
| Operating Temperature Range                                                          |                                                                                     |                                                                                     |                                                                                     | Discharging                                                                         |                                                                                      |                                                                                       |                                                                                       | -20°C to +50°C    |      |                    |
|                                                                                      |                                                                                     |                                                                                     |                                                                                     | Charging                                                                            |                                                                                      |                                                                                       |                                                                                       | 5°C to 40°C       |      |                    |
| Recommended Max. Load                                                                |                                                                                     |                                                                                     |                                                                                     | with appropriate counter contacts                                                   |                                                                                      |                                                                                       |                                                                                       | 480A              |      |                    |
| CHARGING                                                                             |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                   |      |                    |
| Charging Profile                                                                     |                                                                                     |                                                                                     |                                                                                     | according to Exide specifications                                                   |                                                                                      |                                                                                       |                                                                                       | IUIa              |      |                    |
| Charging Time                                                                        |                                                                                     |                                                                                     |                                                                                     | UL 94-HB (PP)                                                                       |                                                                                      |                                                                                       |                                                                                       | 10 - 14 h         |      |                    |
| GENERAL PROPERTIES OF THE RANGE                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                   |      |                    |
|   |  |  |  |  |  |  |  |                   |      |                    |
| Nominal capacity<br>50 - 240 Ah (C <sub>20</sub> )<br>55 - 270 Ah (C <sub>20</sub> ) | Block battery                                                                       | Grid plate                                                                          | 700 cycles in accordance with IEC 60254-1                                           | Recyclable                                                                          | Valve regulated lead-acid batteries                                                  | Proof against deep discharge                                                          | Maintenance-free (no topping up)                                                      |                   |      |                    |

We reserve the right to discontinue or change specification any time without notice or obligation