



F.E. Model: FSBFE065- FE2-1200DG

FE2-1200DG is GEL deep cycle battery, with 15 years floating design life, superiorly designed for frequent cyclic discharge application under extreme temperature. By using strong grid to insure reliable performance under frequent cyclic discharge use, 400 cycles could be available at 100% DOD. Offering extra-durable cyclic performance, high efficiency of recovery, that is more suitable for solar.

Specification

| | |
|--|--|
| Cell Number | 2 |
| Nominal Voltage | 2V |
| Weight(Approx.) | 85.5/188.5Kg/lbs |
| Dimension(L×W×H) | 346×310×335mm |
| Specific Energy | 28.07Wh/Kg |
| Capacity(25°C,77°F) | 10hr(120.0A,1.8V) 1200AH 3hr(307A,1.8V) 921AH 1hr(672A,1.75V)672AH |
| Internal Resistance(fully charged state) | 0.165mΩ |
| Maximum Charge Current | 180A |
| Short Circuit Current | 9600A |
| Charge Voltage in Floating USE(Per cell) | 2.25V |
| Charge Voltage in Cycling USE(Per cell) | 2.35V |
| Design floating life | 15 year |
| Operating Temperature Range | -20°C ~+55°C |
| Terminal Type | GFM—22 |
| Terminal Material | Cu(Tin coated) |
| Torque Value | 12~16N.m |

Constant Current Discharge Data (Amperes Per cell at 25°C, 77°F)

| End Voltage (V/cell) | Discharge Time(minutes) | | | | | | | | | | | | |
|-------------------------|-------------------------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|------|
| | 5 | 10 | 15 | 20 | 30 | 60 | 120 | 180 | 300 | 360 | 480 | 600 | 1200 |
| 1.65 | 2880 | 2160 | 1668 | 1566 | 1320 | 714 | 409 | 330 | 228 | 204 | 160 | 132 | 71 |
| 1.70 | 2592 | 1998 | 1518 | 1422 | 1200 | 690 | 394 | 330 | 223 | 193 | 155 | 127 | 70 |
| 1.75 | 2334 | 1854 | 1380 | 1290 | 1092 | 672 | 378 | 322 | 218 | 191 | 152 | 124 | 68 |
| 1.80 | 2100 | 1716 | 1254 | 1176 | 990 | 648 | 355 | 307 | 210 | 184 | 146 | 120 | 66 |
| 1.85 | 1890 | 1578 | 1140 | 1068 | 900 | 600 | 335 | 288 | 198 | 172 | 137 | 113 | 64 |

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|-------------------------|-------------------------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|------|
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