

Advantages

- Long life according to EUROBAT Classification
- High discharge performance
- High gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Easy installation and handling
- Centralized venting system

Application

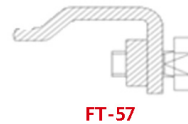
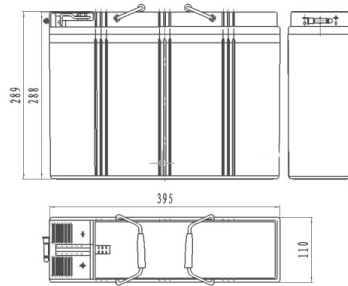
- Telecommunication
- Power system
- UPS
- Emergency power

Standards

- IEC 60896-21/22:2004
- BS 6290-4:1997
- Eurobat guide
- installation compliant with EN50272-2



Drawing



Specification

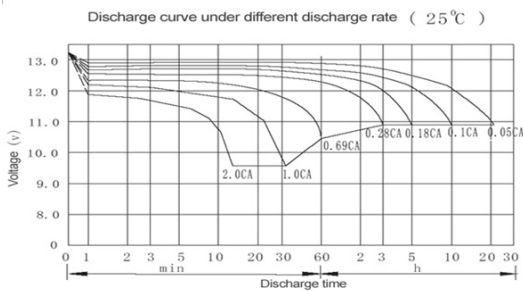
| | | | | |
|---------------------------------|--|------------------------|------------------------|-----------------------|
| Battery Model | FTB12-100 | | | |
| Designed Life(Years) | 12 | | | |
| Capacity(Ah/25°C) | 10HR(10.0A,1.80V/Cell) | 5HR(17.86A,1.80V/Cell) | 3HR(26.27A,1.80V/Cell) | 1HR(55.6A,1.75V/Cell) |
| | 100 | 89.29 | 78.81 | 55.6 |
| Dimensions | Length(mm) | Width(mm) | Height(mm) | Total Height(mm) |
| | 395 | 110 | 288 | 288 |
| Approx.Weight(Kg) | 32 | | | |
| Internal Resistance(mΩ) | 4.5 | | | |
| Max. Discharge Current(A/3Sec.) | 895 | | | |
| Self Discharge(25°C) | <=1.5% per month | | | |
| Charge Voltage(V/Cell/25°C) | Cycle use | | Float use | |
| | 2.35(-3.5mV/°C),max charge current:20A | | 2.25(-3.5mV/°C) | |

Discharge Data

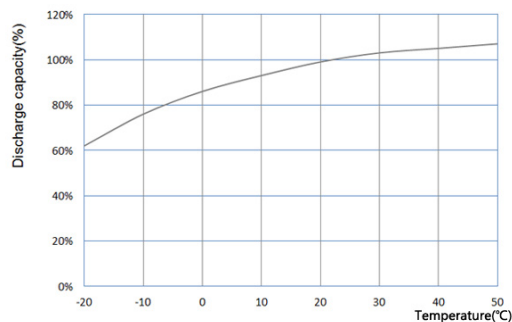
| Constant current discharge data(25°C,A) | | | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Endvoltage (V/cell) | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
| 1.60 | 274.9 | 219.9 | 181.7 | 124.5 | 86.81 | 66.12 | 39.5 | 28.41 | 23.17 | 18.73 | 15.95 | 12.38 | 10.4 | 5.58 |
| 1.65 | 256.9 | 201.4 | 172.2 | 116.7 | 79.8 | 62.59 | 38.61 | 27.62 | 22.78 | 18.49 | 15.95 | 12.3 | 10.24 | 5.53 |
| 1.70 | 236.1 | 181.2 | 158.8 | 108.9 | 73.98 | 57.01 | 37.61 | 27.06 | 22.38 | 18.33 | 15.71 | 12.22 | 10.14 | 5.5 |
| 1.75 | 217.6 | 166.1 | 149.3 | 104.4 | 72.14 | 55.57 | 37.01 | 26.75 | 21.98 | 18.1 | 15.56 | 12.06 | 10.08 | 5.46 |
| 1.80 | 194.1 | 154.3 | 137.4 | 95.94 | 64.77 | 51.49 | 35.97 | 26.27 | 21.83 | 17.86 | 15.4 | 11.9 | 10 | 5.39 |

| Constant power discharge data(25°C,W/Cell) | | | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-----|------|------|------|------|------|-------|------|-------|
| Endvoltage (V/cell) | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
| 1.60 | 466.7 | 410 | 345 | 215 | 156 | 132 | 75.5 | 55.5 | 42.3 | 35 | 30.2 | 22.7 | 20 | 10.34 |
| 1.65 | 446.8 | 390 | 325 | 205 | 151 | 130 | 74.9 | 54.8 | 42 | 34.9 | 30 | 22.65 | 19.6 | 10.3 |
| 1.70 | 424.6 | 376 | 308 | 198 | 147 | 128 | 73.9 | 54 | 41.8 | 34.7 | 29.7 | 22.58 | 19 | 10.24 |
| 1.75 | 400 | 352 | 293 | 189 | 142 | 124 | 73.5 | 53.5 | 41.5 | 34.4 | 29.5 | 22.5 | 18.6 | 10.19 |
| 1.80 | 372.2 | 331 | 276 | 181 | 137 | 120 | 72.6 | 53.1 | 41.2 | 34.1 | 29.3 | 22.4 | 18 | 10.12 |

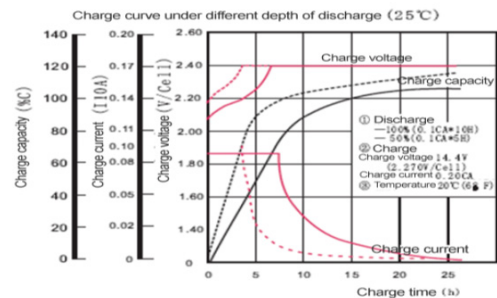
Performance Curve



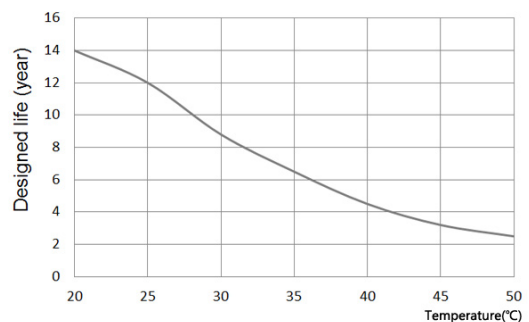
Discharge voltage Vs discharge time



Discharge capacity Vs temperature



Charge capacity Vs charge time



Floating life Vs temperature

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