

Q-Batteries 12LFT-150 is an AGM battery, which is designed for standby applications such as fire-detecting-systems, UPS or burglar-systems.

Application:

burglar-systems, UPS-systems, fire-detecting-systems, telecommunication-systems, IT systems and more

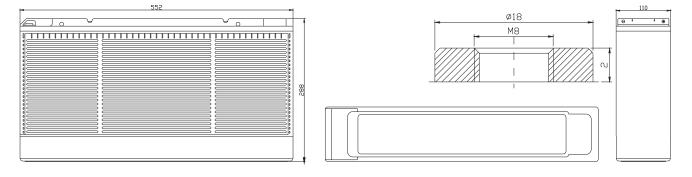
Specification:



| Specification: | | | UPS Z | | | | | |
|-----------------------------|---------------------------------------|--------------------|--|--|--|--|--|--|
| Voltage Per Unit | 12 V | | security | | | | | |
| Capacity | 150 Ah (20h) cell voltage 1.8V / cell | | | | | | | |
| Cells Per Unit | 6 | | | | | | | |
| Weight | ca. 45,0 kg +/- 3% | | | | | | | |
| Max. Discharge Current | 1.500 A (5 sec.) | | | | | | | |
| Internal Resistance | ca. 4m Ω | | | | | | | |
| Float charging Voltage | 13.5 VDC at 🖉 25°C | | | | | | | |
| Operating Temperature Range | Discharge: | Charge: | Storage: | | | | | |
| Normal | - 20°C – 60°C | 0°C – 50°C | - 20°C – 60°C | | | | | |
| Operating Temperature Range | 25°C ± 5°C | | | | | | | |
| Self Discharge | more than 6 mont | hs at 25°C. Self-o | atteries can be stored for discharge ratio less than rge batteries before using. | | | | | |
| Terminal | F12 | | | | | | | |
| Technology | AGM, Absorbent glass mat technology | | | | | | | |
| Container Material | A.B.S. (UL94-HB) | | | | | | | |

Dimensions:

552 Length x 110 Width x 288 mm Height



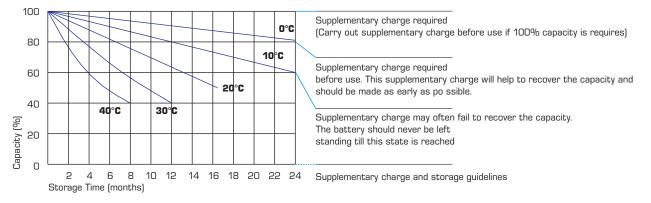
Constant current discharge characteristics: A (25°C)

12LFT-150

-BATTERIES

| 5 Min. | 10 Min. | 15 Min. | 30 Min. | 1 HR | 2 HR | 3 HR | 4 HR | 5 HR | 8 HR | 10 HR | 20 HR |
|--------|---|--|---|--|---|--|--|--|--|--|--|
| 382.1 | 297.0 | 231.5 | 156.8 | 92.63 | 56.64 | 39.15 | 32.40 | 26.52 | 18.63 | 15.75 | 8.332 |
| 371.1 | 282.6 | 226.8 | 154.0 | 92.20 | 56.22 | 39.00 | 32.25 | 26.36 | 18.48 | 15.60 | 8.180 |
| 360.1 | 272.6 | 223.2 | 151.2 | 91.34 | 55.79 | 38.70 | 32.10 | 26.21 | 18.33 | 15.45 | 8.029 |
| 323.3 | 251.5 | 212.5 | 150.1 | 90.49 | 55.36 | 38.55 | 31.80 | 25.90 | 18.18 | 15.30 | 7.877 |
| 291.8 | 229.4 | 195.9 | 147.5 | 88.35 | 54.37 | 37.50 | 31.05 | 25.43 | 17.88 | 15.15 | 7,726 |
| 249.2 | 205.0 | 175.7 | 138.1 | 83.93 | 51.96 | 35.85 | 29.55 | 24.34. | 17:12 | 14.69 | 7.271 |
| | 382.1 371.1 360.1 323.3 291.8 | 382.1297.0371.1282.6360.1272.6323.3251.5291.8229.4 | 382.1297.0231.5371.1282.6226.8360.1272.6223.2323.3251.5212.5291.8229.4195.9 | 382.1297.0231.5156.8371.1282.6226.8154.0360.1272.6223.2151.2323.3251.5212.5150.1291.8229.4195.9147.5 | 382.1 297.0 231.5 156.8 92.63 371.1 282.6 226.8 154.0 92.20 360.1 272.6 223.2 151.2 91.34 323.3 251.5 212.5 150.1 90.49 291.8 229.4 195.9 147.5 88.35 | 382.1297.0231.5156.892.6356.64371.1282.6226.8154.092.2056.22360.1272.6223.2151.291.3455.79323.3251.5212.5150.190.4955.36291.8229.4195.9147.588.3554.37 | 382.1 297.0 231.5 156.8 92.63 56.64 391.5 371.1 282.6 226.8 154.0 92.20 56.22 39.00 360.1 272.6 223.2 151.2 91.34 55.79 38.70 323.3 251.5 212.5 150.1 90.49 55.36 38.55 291.8 29.4 195.9 147.5 88.35 54.37 37.50 | 3821 297.0 231.5 156.8 92.63 56.64 39.15 32.40 3711 282.6 226.8 154.0 92.20 56.22 39.00 32.25 360.1 272.6 223.2 151.2 91.34 55.79 38.70 3210 323.3 251.5 212.5 150.1 90.49 55.36 38.55 31.80 291.8 229.4 195.9 147.5 88.35 54.37 37.50 31.05 | 3821 2970 2315 156.8 92.63 56.64 3915 32.40 26.52 3711 282.6 226.8 154.0 92.20 56.22 39.00 32.25 26.36 360.1 272.6 223.2 151.2 91.34 55.79 38.70 32.10 26.21 323.3 251.5 212.5 150.1 90.49 55.36 38.55 31.80 25.90 291.8 29.44 195.9 147.5 88.35 54.37 37.50 31.05 25.43 | 3821 297.0 231.5 156.8 92.63 56.64 391.5 32.40 26.52 18.63 371.1 282.6 226.8 154.0 92.20 56.22 39.00 32.25 26.36 18.43 360.1 272.6 223.2 151.2 91.34 55.79 38.70 32.10 26.21 18.33 323.3 251.5 212.5 150.1 90.49 55.36 38.55 31.80 25.90 18.18 291.8 229.4 195.9 147.5 88.35 54.37 37.50 31.05 25.43 17.88 | 3821 2970 2315 156.8 92.63 56.64 3915 32.40 26.52 18.63 15.75 3711 282.6 226.8 154.0 92.20 56.22 39.00 32.25 26.36 18.48 15.60 360.1 272.6 223.2 151.2 91.34 55.79 38.70 32.10 26.21 18.33 15.45 323.3 251.5 212.5 150.1 90.49 55.36 38.55 31.80 25.90 18.18 15.30 291.8 29.44 195.9 147.5 88.35 54.37 37.50 31.05 25.43 17.88 15.15 |

Storage characteristic:



Capacity Factors with different Temperature:

| Batte | ery Type | -20°C | -10°C | 0°C | 5°C | 10°C | 20°C | 25°C | 30°C | 40°C | 45°C |
|---------|----------|-------|-------|-----|-----|------|------|------|------|------|------|
| GEL | 6V & 12V | 50% | 70% | 83% | 85% | 90% | 98% | 100% | 102% | 104% | 105% |
| Battery | 2V | 60% | 75% | 85% | 88% | 92% | 99% | 100% | 103% | 105% | 106% |
| AGM | 6V & 12V | 46% | 66% | 76% | 83% | 90% | 98% | 100% | 103% | 107% | 109% |
| Battery | 2V | 55% | 70% | 80% | 85% | 92% | 99% | 100% | 104% | 108% | 110% |

Charging Method:

Charge the batteries at least once every six months, if they are stored at 25°C

| Constant Voltage (V) | -0.2C x 2h + 2.4–2.45V/Cell x 24h, max. Current 0.3CA |
|----------------------|---|
| Constant Current (A) | -0.2C x 2h + 0.1CA x 12h |
| Fast | -0.2C x 2h + 0.3CA x 4.0h |