



FTC Series Front Terminal Cycle Battery



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shoto[®]



Make full use of internet platform
Big Data cloud storage
Service for customers worldwide

With market share ranking first in the mainstream of China's telecom operators for many years and have get the net certificate in many regions around the world and sell to 127 nations and districts in five continents.

Shoto firmly promote green low-carbon career and always fulfill the concept of "new energy, circularity and high-tech", to manage from the five link key aspects: design, development, green purchasing, system management, recycling, energy conservation and emissions reduction to create green model for the industry, to create a green life for human beings and store a green future for the earth.

Pursue the perfection
To build up a strong
and sustainable enterprise

Shoto has owned several honors such as "National environment friendly enterprise", "National key high-tech industry group", "China's top 100 electronic information enterprises", "Global 500 new energy enterprises".

Explore actively
To find an ever-increasing energy new world

Communication

Possess all series of energy storage solutions and provide firm green energy security;

Telecom

Becoming the core of constructing the future smart grid center;

Power

New clean and efficient power energy, to provide endless power for the social development;

Recycling

Take the lead in building circulation industry chain, make renewable energy, restore a healthy earth.

Converge global industry experts
and unite research institutes
Collaborate with customers to develop
the world's leading energy storage systems

The establishment of the Chinese Academy of Sciences in cooperation with the establishment of the Advanced Energy Development Research Center, academicians workstation, post-doctoral research station, state-level enterprise technology center have take on the 863 and other national research projects and research and develop the world forward-looking high-end new energy projects.

Main Applications

- Renewable energy (wind & solar) site
- Off-grid & poor-grid environment
- Communication and signal systems
- UPS and emergency illumination
- IDC

Benefits

- Reduce operational cost (less cooling consumption)
- Reduce CO₂ emission
- Deep cycle rate life ≥ 1500 (at 25°C, 60%DOD)
& 1350 (at 35°C, 60%DOD)
- Good floating life performance and extremely high cyclic life

Technical Features

- Best performance for continuous operation up to 35°C
- Using advanced lead carbon technology, reduce the cathode sulphation
- Front terminal connections for fast and easy installation and maintenance
- Horizontal structure design, delay electrolyte stratification, extend battery service life

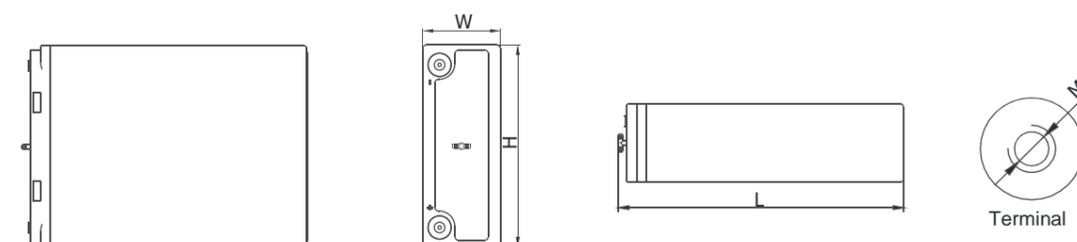


SHOTO FTC series is a new product in the SHOTO battery family. This product has been designed for high temperature and deep cycle application, based on international advanced technology.

With special grid design, corrosion-resistant alloy material, horizontal design, FTC battery avoid density stratification problem of acid solution and eliminating grid corrosion and passivation caused by density stratification. FTC battery devote itself to protect our Environment and Human with green clean energy and natural resources used effective.

Passion for Storage
and Green Energy

Drawings

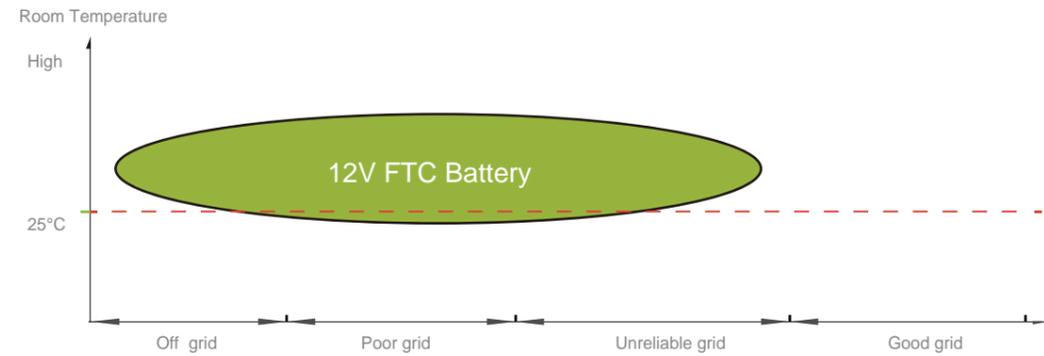


Specification



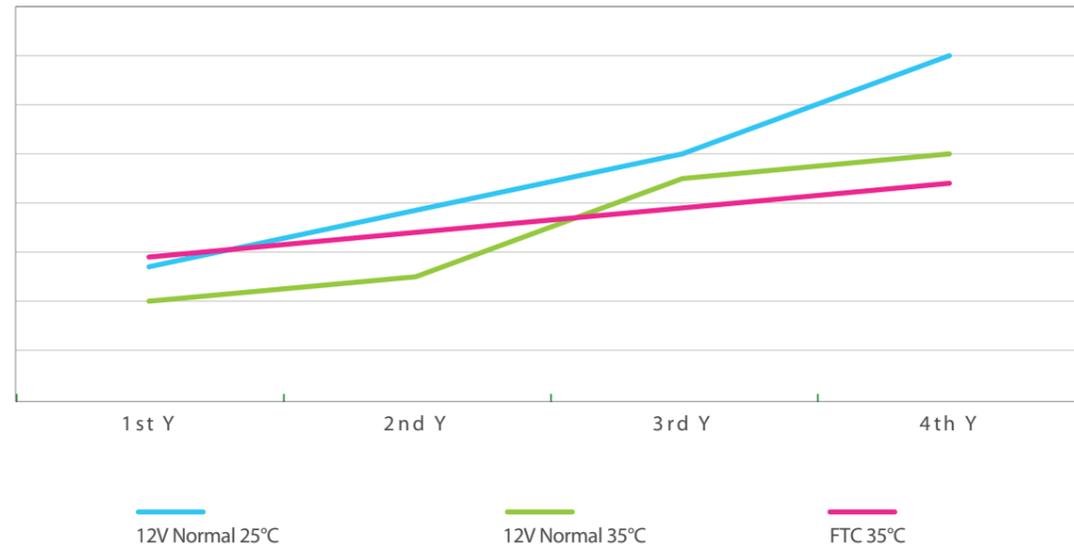
| | FTC-100 | FTC-150 | FTC-170 |
|--------------------------|---------|---------|---------|
| Nominal Voltage(V) | 12 | 12 | 12 |
| Length(mm) | 400 | 552 | 552 |
| Width(mm) | 110 | 125 | 125 |
| Height (mm) | 286 | 310 | 310 |
| Total Height(mm) | 286 | 310 | 310 |
| 10hr Capacity(Ah, 25°C) | 100 | 150 | 170 |
| 10hr Capacity(Ah, 35°C) | 103 | 155 | 175 |
| Terminal | M6 | M6 | M6 |
| Terminal Torque(Nm) | 9~11 | 9~11 | 9~11 |
| Internal Resistance (mΩ) | 5.5 | 5.5 | 5.2 |
| Short Circuit Current(A) | 1659 | 1659 | 1804 |
| Weight(kg) | 35.5 | 56 | 58 |

Grid and Temperature



Note: Batteries shown above can be used for various grid and temperature scenes, but they are better suitable in given application compared to other battery types.

TCO under Poor Grid



Note: Saving operational cost from the longer cycles life and the difference is allowed for various sites

**Make it excellent to
“connect you and me”**

Shoto, as the leading green storage integration service supplier in Big Data age, using the forward-looking energy technology to share the green earth with our customers.