



PowerSafe[®] FTC-P

Telecommunications

NEBS[™] Certified

Battery Range Summary



The multi-directional post design make the PowerSafe[®] FTC-P cells easily configurable in any orientation, with cells either perpendicular to the rack support rails to optimize footprint or parallel to enable easy connector maintenance while the system is online.

Standard features like thick positive grids ensure excellent long discharges. The battery design features lead-calcium alloy grids plates which help to reduce watering requirement intervals and enhance performance in long discharge applications.

The PowerSafe FTC-P is a telecommunications WE List 508 standard 1680 Ah battery (FTC-21P).

The PowerSafe FTC-P battery series line also employs a Slide-Lock[™] post seal that allows for natural plate growth over time without degrading the seal. The innovative tongue-and-groove jar-to-cover seal provides a reliable, robust air tight seal.

Features and Benefits

- Capacity range 840 - 1810Ah
- Lead-calcium alloy
- Configurable jar/plate orientation
- Ideal for long duration float applications
- Flame retardant UL94 V-0 PVC jar and cover
- Lead-calcium grids minimize watering requirements
- 20 year life expectancy in float service at 77°F (25°C) ambient temperature

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Construction

- 0.32" thick positive grids provide excellent long discharge rates and long life
- Negative plate designed to balance active material and enhance performance in float applications
- Separator – microporous rubber with "Vitrex" glass fiber retainers
- Jar and cover material is flame retardant UL94 V-0 PVC
- Electrolyte – dilute sulfuric acid with specific gravity of 1.215
- Slide-Lock™ post seal design
- Flame arrestors – included for increased operational safety

Installation and Operation

- Configurable jar/plate orientation for either optimal footprint or easy connector maintenance
- Dual posts for high current carrying capability
- Excellent long discharge performance
- 20 year life expectancy in float service at 77°F (25°C)
- Operating temperature: 32°F (0°C) to 104°F (40°C)
Recommended temperature: 68°F (20°C) to 86°F (30°C)

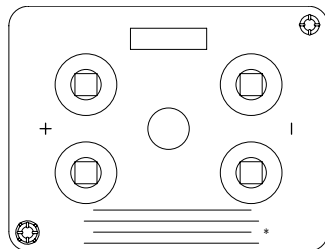
Standards

- The management systems governing the manufacture of this product are ISO 9001:2008 and ISO 14001:2004 certified

General Specifications

| Cell Type | Nominal Ah Capacity* | Nominal Dimensions | | | | | | Weight - Volumes | | | | | |
|----------------|----------------------|--------------------|-----|-------|-----|--------|-----|------------------|-------|-----------------------------|------|-----|--------|
| | | Length | | Width | | Height | | Unpacked | | Electrolyte only 1.215 S.G. | | | |
| | | in | mm | in | mm | in | mm | lbs | kg | lbs | kg | gal | liters |
| FTC 11P | 840 | 11.1 | 282 | 14.5 | 368 | 22.7 | 577 | 217.6 | 98.9 | 79.4 | 36.4 | 7.9 | 30.1 |
| FTC 21P | 1680 | 11.1 | 282 | 14.5 | 368 | 22.7 | 577 | 302.3 | 137.4 | 70.1 | 31.8 | 6.9 | 26.2 |
| FTC 23P | 1810 | 11.1 | 282 | 14.5 | 368 | 22.7 | 577 | 319.2 | 145.1 | 67.9 | 30.8 | 6.7 | 25.4 |

* Nominal Ah capacity is based on an 8 hour rate to 1.75 volts per cell @ 77°F (25°C)



* Plate Direction

