

FTP-300

Empower your network



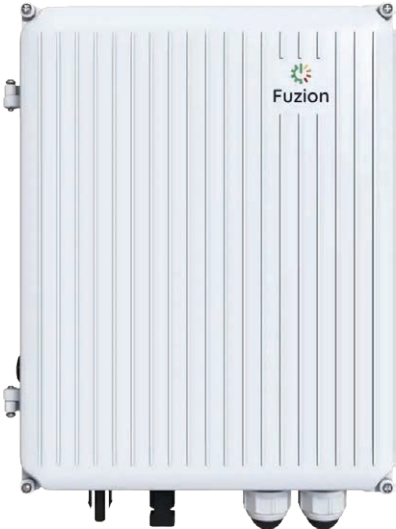
Fuzion leverages infinite clean fusion energy to power a wide array of internet enabling devices.



Fuzion

About the Fuzion FTP-300

The **Fuzion FTP-300** is a durable, solar-charged power solution with PoE in a small form factor ideal for Wi-Fi hotspots, surveillance cameras, microwave CPE's, cellular gateways, and more.



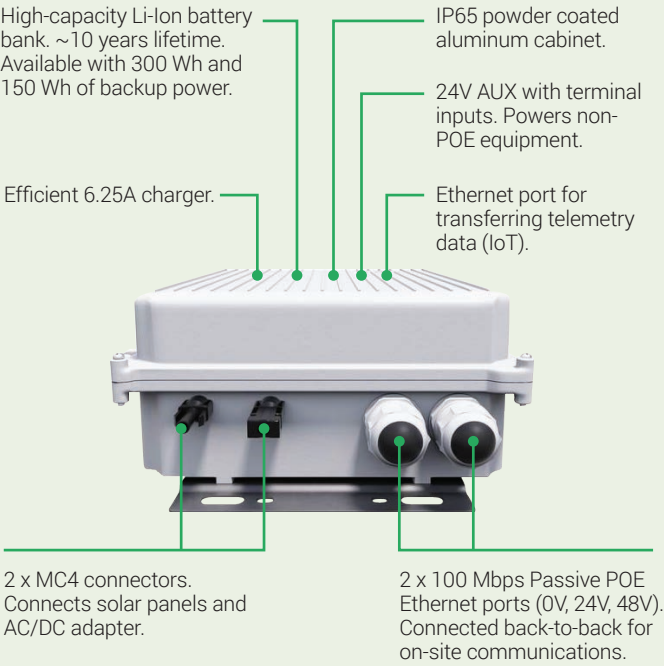
The FTP-300 is designed for “Deploy & Forget” deployments in remote areas and for operation under harsh environmental conditions.

The FTP-300 is designed for energy efficiency and compatibility with a wide range of solar panels, thus mitigating the emissions and air pollution caused by diesel and coal-powered connectivity infrastructure.



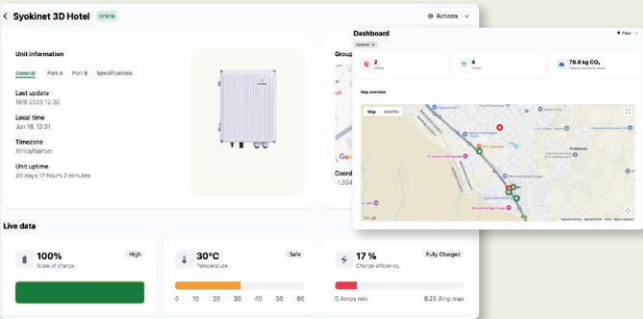
Each FTP-300 approximately saves **175 kg of CO² emissions per year**, thereby contributing to the achievement of Sustainable Development Goal 7.

300Wh Network Powered Unit



Fuzion FTP-300 Dashboard

The **Fuzion Dashboard** simplifies complex data, offering a user-friendly interface for monitoring and managing solar charged power units. The Fuzion power unit dashboard is designed to offer a reliable, real time monitoring platform for power unit performance.



Fuzion FTP-300 Benefits



Remote power monitoring

FTP-300 has built-in IoT capabilities including remote monitoring capabilities. The Smart Power feature can be demonstrated and will soon be available on trial mode on request.



Powerful, long-lasting battery

FTP-300 can provide up to 60 hours of battery backup to a Wi-Fi access point or be deployed with less battery capacity to minimize the cost of batteries. The battery cells may last for up to 10 years.



Deploy and forget

FTP-300 is designed to work in harsh and remote locations. To conserve battery longevity, FTP-300 turns off when power levels become too low to sustain further usage. When the charge level is back above the threshold, FTP-300 automatically turns on again. No human intervention required.



Multiple options for power input

The high-grade built-in MPPT means that FTP-300 is perfectly coupled with solar panels. It can also work with AC power with the Fuzion IP-67 outdoor rated AC/DC adapter.



High power to size ratio

Leveraging Li-ion batteries, FTP-300 delivers an unprecedented amount of power compared to its small size.



Versatile

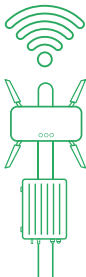
Having a separate DC output and two back-to-back connected data connectors, which individually can be PoE enabled, FTP-300 can be used in multiple applications such as powering wireless access points, surveillance cameras, wireless bridges and repeaters, fiber ONUs, and remote lighting systems.

Fuzion FTP-300 Specifications

NETWORK	
Ethernet ports	• 2 x 100 Mbps Ethernet, connected back-to-back
POWER	
Input power	• Voltage: 27 VDC (max) • Current: 6.25 A (max)
Power sources	• Solar panels • AC / DC adapter (external accessory)
Output power	• Total maximum output power (Poe + Aux): 30 Watt • 2 x 0/24/48 VDC selective Passive PoE • 48 VDC - Max Power 30 W as PSE • 24 VDC - Max Power 30 W as PSE (15 W/port) • 1 x AUX + 24 VDC - Max Power 30 W
Output terminals	• 2 x RJ45 data ports • 1 x RJ45 port for IoT (only) • 1 x DC cable terminal
Input terminals	• 2 x MC4 connectors (male / female)
Solar panel specifications	• 36 cell panels • Minimum Vmp: 18 V • Maximum Voc: 27 V
Power usage	• Controller self-consumption: <0.9 W
GENERAL	
Model number	• FTP-300-B300-G-R1
Warranty	• 3-year hardware warranty
BATTERY	
Type	• Lithium-ion 18650 cells • 3.6 V, 3,400 mAh
Capacity	• 300 Wh
Output terminals	• 2 x RJ45 data ports • 1 x RJ45 port for IoT (only) • 1 x DC cable terminal
PHYSICAL	
Mounting	• Tower, pole, wall
Dimensions	• Height: 27cm / 10.6 in • Width: 21.4 cm / 8.4 in • Depth: 9 cm / 3.5 in
Operating temperature	• Charging: +0°C to +45°C / +32°F to +113°F • Discharging: -20°C to +60°C / -4°F to +140°F
Weight	• 3.90 kg / 8.60 lbs
Box IP-Rating	• IP65
Material (Box)	• Die-cast aluminium box, stainless steel mounting brackets

Fuzion FTP-300 Solutions

The **Fuzion FTP-300** is ideal for Wi-Fi hotspots, surveillance cameras, microwave CPE's, cellular gateways, and more. Everything you need for smart city projects.



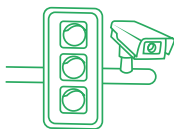
**Municipal
Wi-Fi**



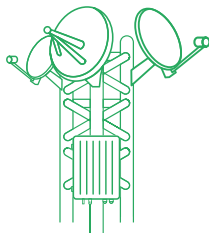
**IoT
Installations**



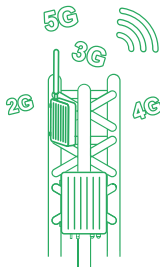
**Video
Surveillance**



**Traffic
Control**



**Microwave
relay sites**



**Small Mobile
Base Stations**

**Discover how Fuzion's
cutting-edge technology can
elevate your operations.**

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