



PIGEON
PLEX

DATASHEET

UPS

Uninterrupted 12V DC power for IoT gateways and control systems, ensuring stable operation during power loss, fluctuations, or surges

Features and Benefits

- Uninterruptible Power Supply
- 12V DC Power Output
- Lithium-Polymer Battery
- Seamless Integration
- IP20-Rated Durable Enclosure
- Temperature Range of -10°C to 40°C
- Reliable Performance

Technical Overview

The PigeonPlex UPS is a compact, high-reliability uninterruptible power supply engineered to maintain continuous power delivery to sensitive IoT and industrial control systems. Designed for seamless integration with the Pigeon+ IoT gateway, it ensures uninterrupted operation during power interruptions, voltage drops, or surges.

The UPS stabilizes DC power output to connected devices, automatically switching to its internal lithium-polymer battery in the event of mains failure. This transition occurs instantaneously, ensuring consistent system uptime and data integrity during transient power events.



Specifications

Device Specifications:

Voltage Input	240 VAC Mains supply (Live Earth Neutral)
Voltage Output	12V DC
Current Supply	300 mA constant with 800mA peak @ 12V
Enclosure	72 x 88 x 66 (HxWxD) mm DIN rail mountable
Environment	IP Rating: IP31 Temperature Range: -10C - 40C
Over voltage/Under voltage Protection	Yes
Input Connector	Terminal Block Pheonix 3 pole
Output Connector	Terminal Block Pheonix 2 pole

Battery Specifications:

Battery Type	Lithium-Polymer
Battery Dimensions	MAX 65x40x12 (LxWxH) mm
Battery Voltage	3.7 V
Battery Capacity	1100 mAh