



**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:

<b>Voltage Input (Typical)</b>	100-240 VAC 0.35A 50/60Hz
<b>Voltage Input (Max)</b>	85 ~ 264 VAC Mains supply (Live Earth Neutral)
<b>Voltage Input Frequency Range</b>	47-440Hz
<b>Voltage Output</b>	12V DC
<b>Current Supply</b>	300 mA constant with 800mA peak @ 12V
<b>Enclosure</b>	72 x 88 x 66 (HxWxD) mm DIN rail mountable
<b>Environment</b>	IP Rating: IP31 Temperature Range: -10C - 40C
<b>Over voltage/Under voltage Protection</b>	Yes
<b>Input Connector</b>	Terminal Block Pheonix 3 pole
<b>Output Connector</b>	Terminal Block Pheonix 2 pole

## Battery Specifications:

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