



WirelessKable

AC Power Solution

March 15, 2024



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WirelessKable - USB-C and USB-A AC Power Converters

NEW!

USB-C AC60 Lite
60W AC USB-C Power Converter
with external Faceplate
551-5227-001 – Mode 1
551-5227-003 – Mode 3

USB-A AC15 Lite
15W AC USB-A Power Converter
with external Faceplate
551-5217-001 – Mode 1
551-5217-003 – Mode 3

USB-C AC100
100W AC USB-C Power Converter
551-5307-001 – Mode 1
551-5307-003 – Mode 3

Available on March 2023

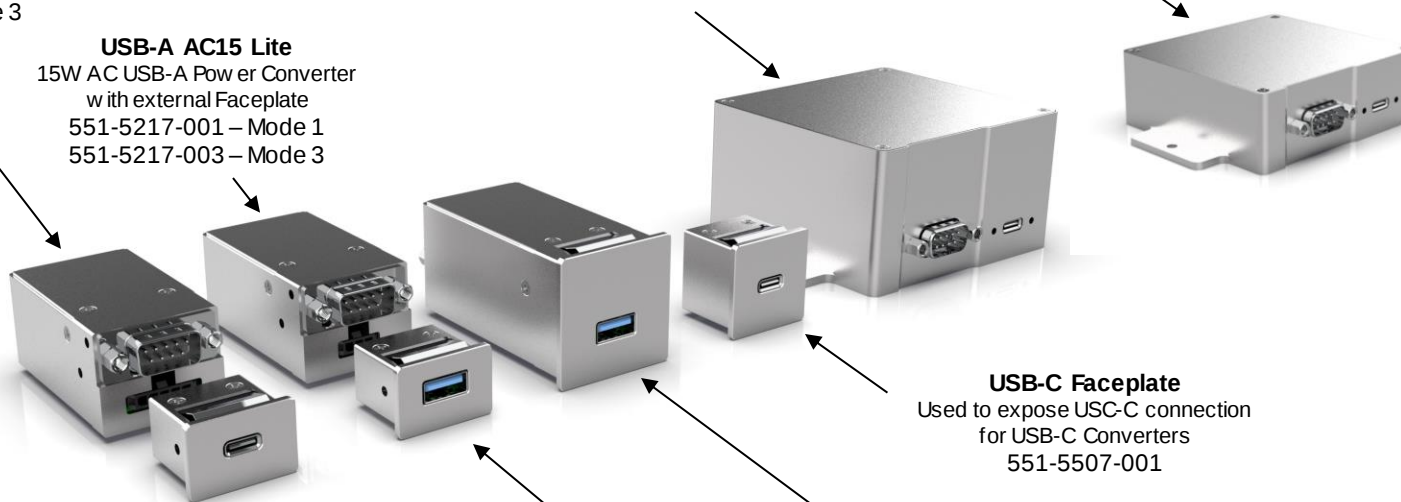
USB-C AC100 Lite
100W AC USB-C Power Converter
551-5317-001 – Mode 1
551-5317-003 – Mode 3

USB-C Faceplate
Used to expose USB-C connection
for USB-C Converters
551-5507-001

USB-C Faceplate
Faceplate with pigtail cable
551-5527-001

USB-A Faceplate
Faceplate with pigtail cable
551-5517-001

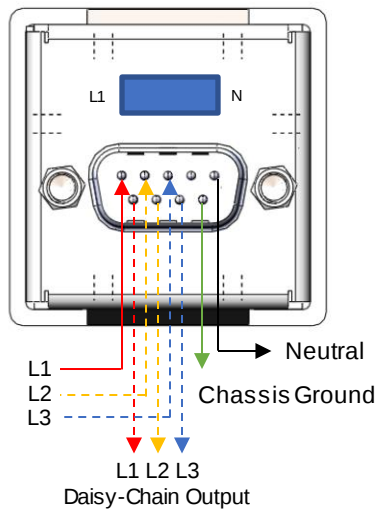
USB-A AC15
15W AC USB-A Power Converter
with incorporated Faceplate
551-5207-001 – Mode 1
551-5207-003 – Mode 3



WirelessKable - AC Wiring Mode

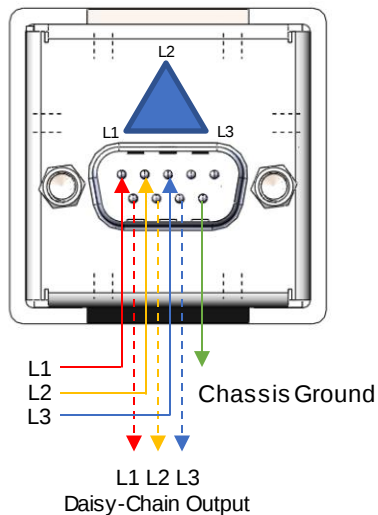
Mode 1

One Phase with Neutral

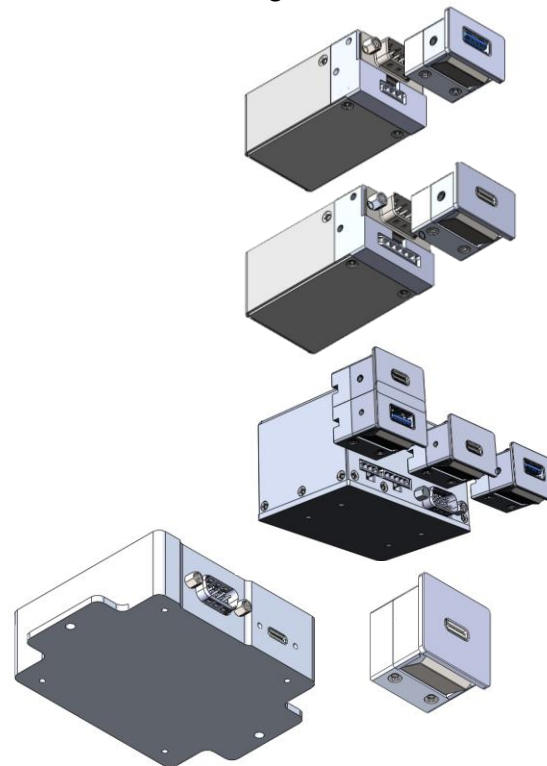


Mode 3

Three Phase no Neutral



- The AC Power Converters are available with two configurations, Mode 1 and Mode 3, both with galvanically isolated output for passenger protection.
- Mode 1 is using one Phase (L1) and the Neutral (N). The Connector provides Daisy-Chain capability to reduce the wiring complexity on a large cabin. The L1 can be rotated with the other phases on a long installation chain to balance the consumption and reduce the GFI protection at the end of the line.
- Mode 3 is using a balanced three-phase (L1, L2 and L3) power consumption without using the Neutral. On a large-scale installation, this mode ensures a balanced current distribution and a higher number of devices on the same bus.



USB-A AC15 Lite

3A @ 5V
USB 3.0 & Apple MFi
To power Phones, Tablets, Camera, Watches and other personal devices

USB-C AC20 Lite

3A @ 5V, 9V, 12V, 15V, 20V (Max 20W)
USB-C Power Distribution 3.0
To power Laptops, Phones, Tablets, Camera, Watches and any other personal devices USB-C compatible

USB AC65

3A @ 5V, 9V, 12V, 15V, 20V (Max 65W)
USB-C Power Distribution 3.0 and USB-A
To power Laptops, Phones, Tablets, Camera, Watches and any other personal devices USB-C compatible

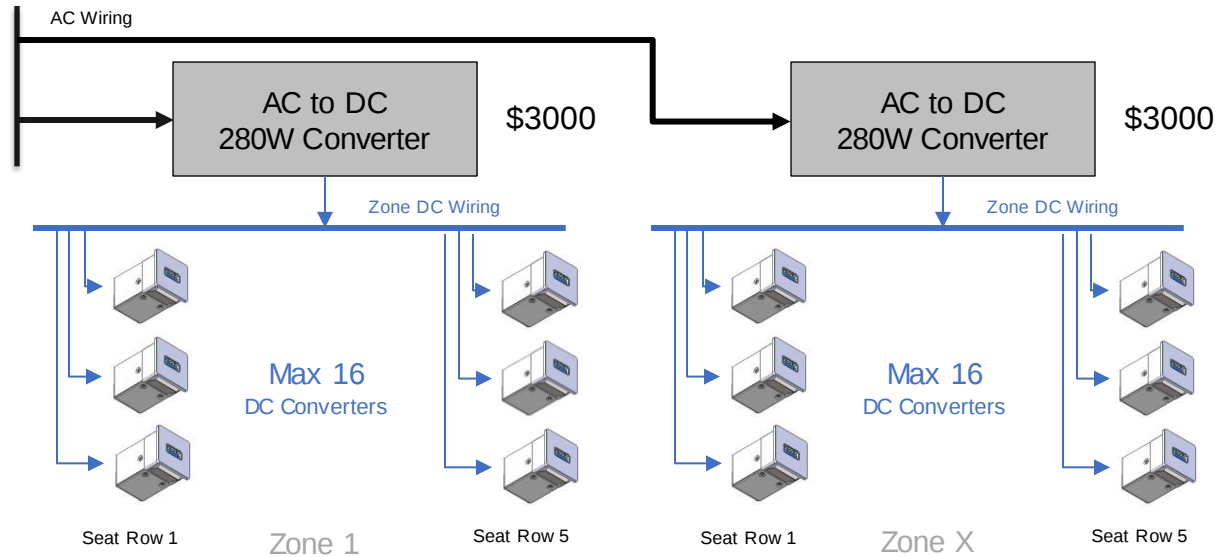
USB-C AC100

With remote Faceplate
5A @ 5V, 9V, 12V, 15V, 20V
USB-C Power Distribution 3.0
To power Laptops, Phones, Tablets, Camera, Watches and any other personal devices USB-C compatible

WirelessKable - DC Converters Installation vs AC Converters Installation

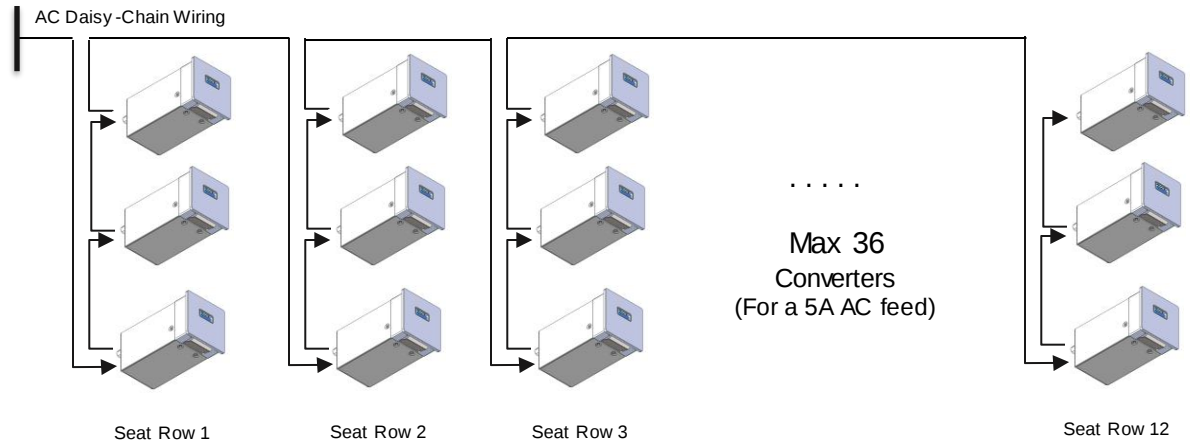
➤ DC Converters Installation

- The cost of each AC to DC converter is approximately \$3000.
- Distributed per seat is a \$187 added cost.
- Weight figure and wiring complexity are also high.



➤ AC Converters Wiring

- Simple Daisy-Chain configuration.
- Reduced complexity and installation cost.
- Multiple Converters per AC feed.



WirelessKable - AC Power Solution

- No need for AC to DC Converters (TRUs) for seat rows to accommodate the USB ports; like in past traditional installation

For a cabin with 130 x USB-A DC Ports, an extra 5 x 2000W AC to DC Converters (TRUs) is necessary to provide the DC power.

This solution is 30% to 40% less expensive than the solution using DC converters.

- We offer USB Power converters that are powered directly from the Aircraft 115VAC 380 to 800Hz bus

Eliminates the need for extra AC to DC Power Converters (TRUs).

- We reduced the wiring complexity by using the Daisy-Chain connectivity approach

A very simple approach for wiring, fast to produce and reduces aircraft downtime.

- Our USB-A AC Power Converters fit into seat armrests

Convenient size can easily fit inside the armrest, and faceplates can be customized to fit the armrest design.

- **WirelessKable AC Power solution advantages are:**

- ✓ *Reduced cost of installation*
- ✓ *Reduced wiring complexity*
- ✓ *Fast time-to-market on a cabin installation*
- ✓ *Reduced wiring gauge*
- ✓ *A high number of converters on the same power line*

- ☐ Product Price
- ☐ Product Specifications
- ☐ 3D STEP model
- ☐ Installation Manual
- ☐ Qualification Test Report
- ☐ Product Sample
- ☐ Or for any other information

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