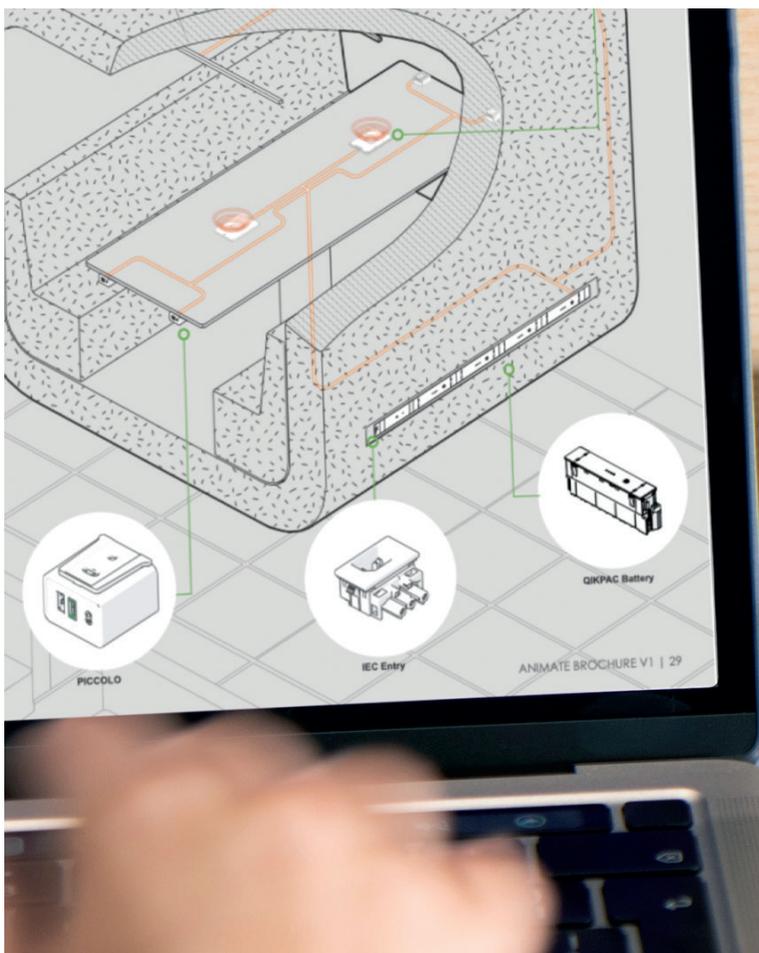


# TUF<sup>HP</sup>

High Power USB



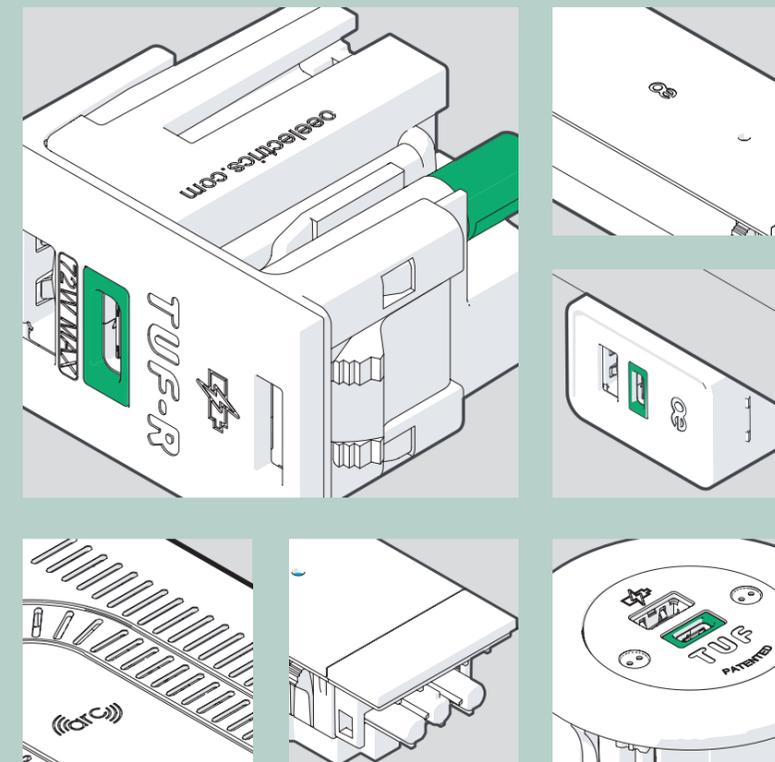
# TUF<sup>HP</sup>

## High Power USB

**TUF-R<sup>®</sup>/HP** is our latest generation **High Power Delivery** module. **TUF-R<sup>®</sup>/HP** allows you to charge your laptop, phone or tablet simultaneously and quickly via the USB-C. The small form factor of our **TUF-R<sup>®</sup>/HP** alongside the rest of the animate range means you can install **TUF-R<sup>®</sup>/HP** in a number of previously inaccessible locations.

The reversibility of the **TUF-R<sup>®</sup>/HP's** USB-A and USB-C sockets makes it far less likely to be damaged while connecting and has been independently tested to over 10,000 insertions.

All of the ANIMATE family is based on a plug and play system, allowing anyone to fit it virtually anywhere. Stand alone or integrated, ANIMATE BRINGS YOUR FURNITURE TO LIFE!

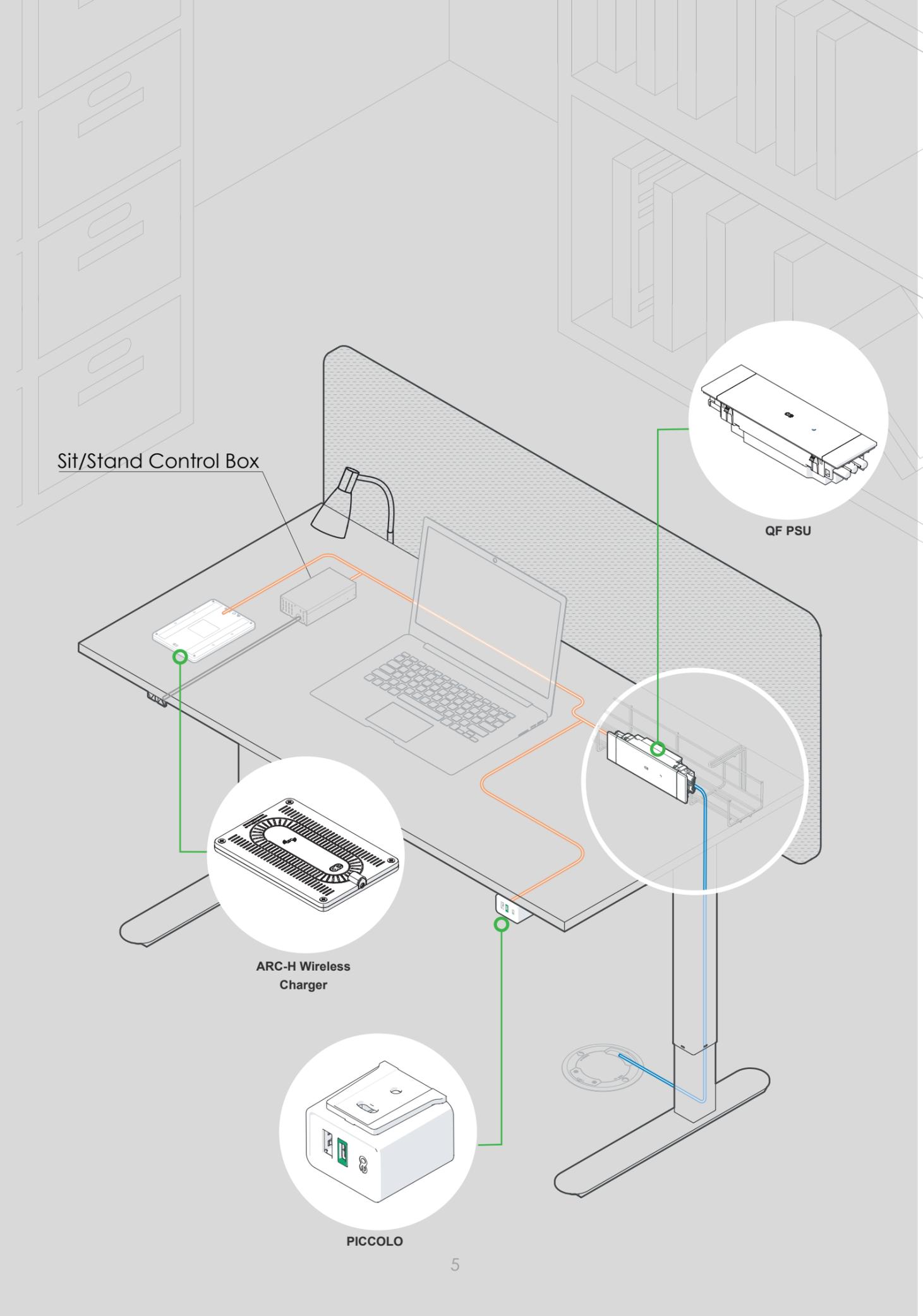
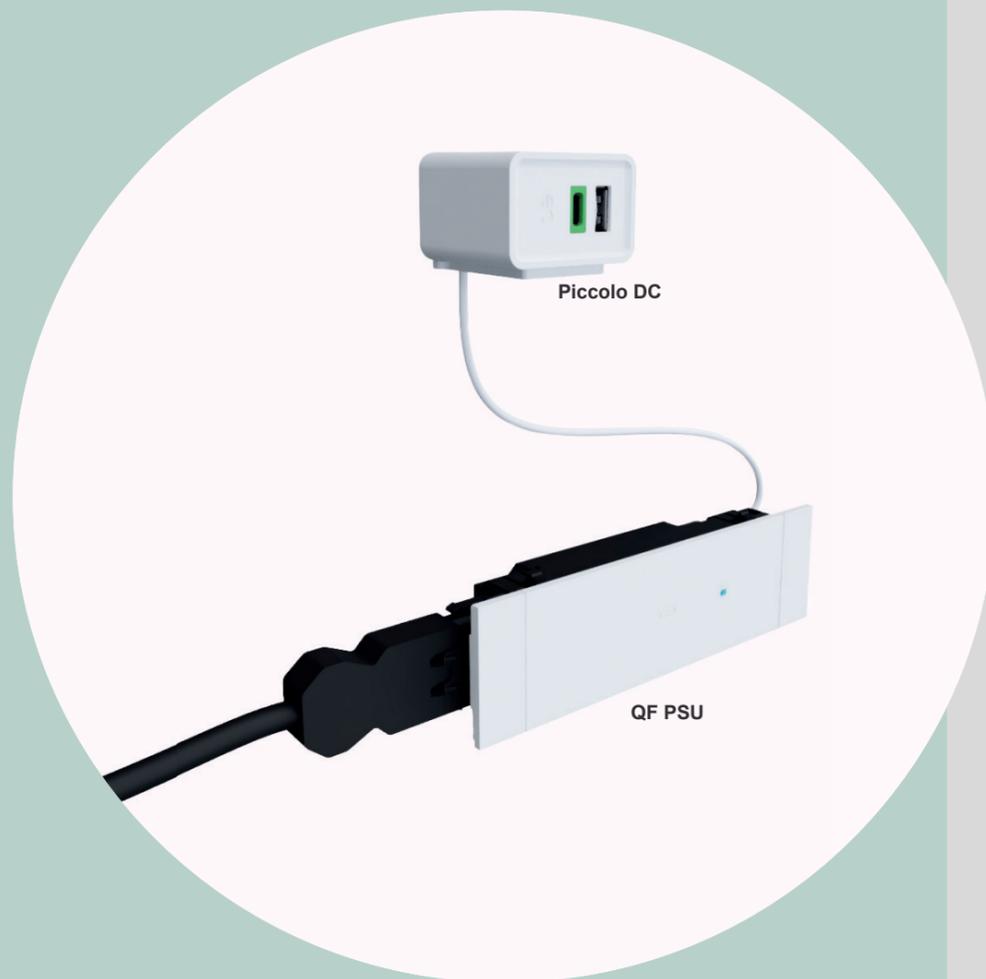


- Patented replaceable USB cartridge
- USB-C and USB-A with up to 72W Power Delivery
- Reversible USB A&C
- Internal overload protection
- Integrates into OE units

1

## Sit/Stand Workstations

Sit-Stand desks are becoming more necessary within the workplace. By integrating our QF Power Supply Unit (PSU) and **TUF-R®/HP**, it's possible to power not only your laptop and wireless phone charger but also the desk's height adjustment. Ultimately, making the workspace infinitely more flexible and reducing the cables to the floor to one!



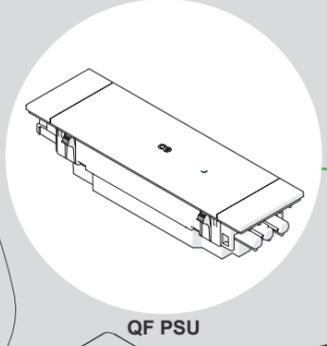
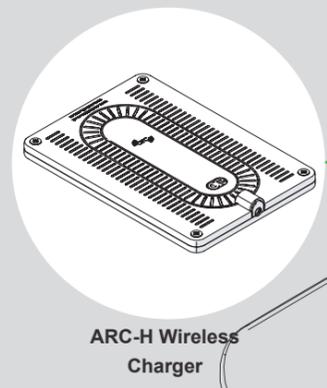
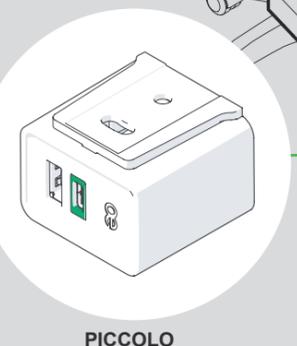
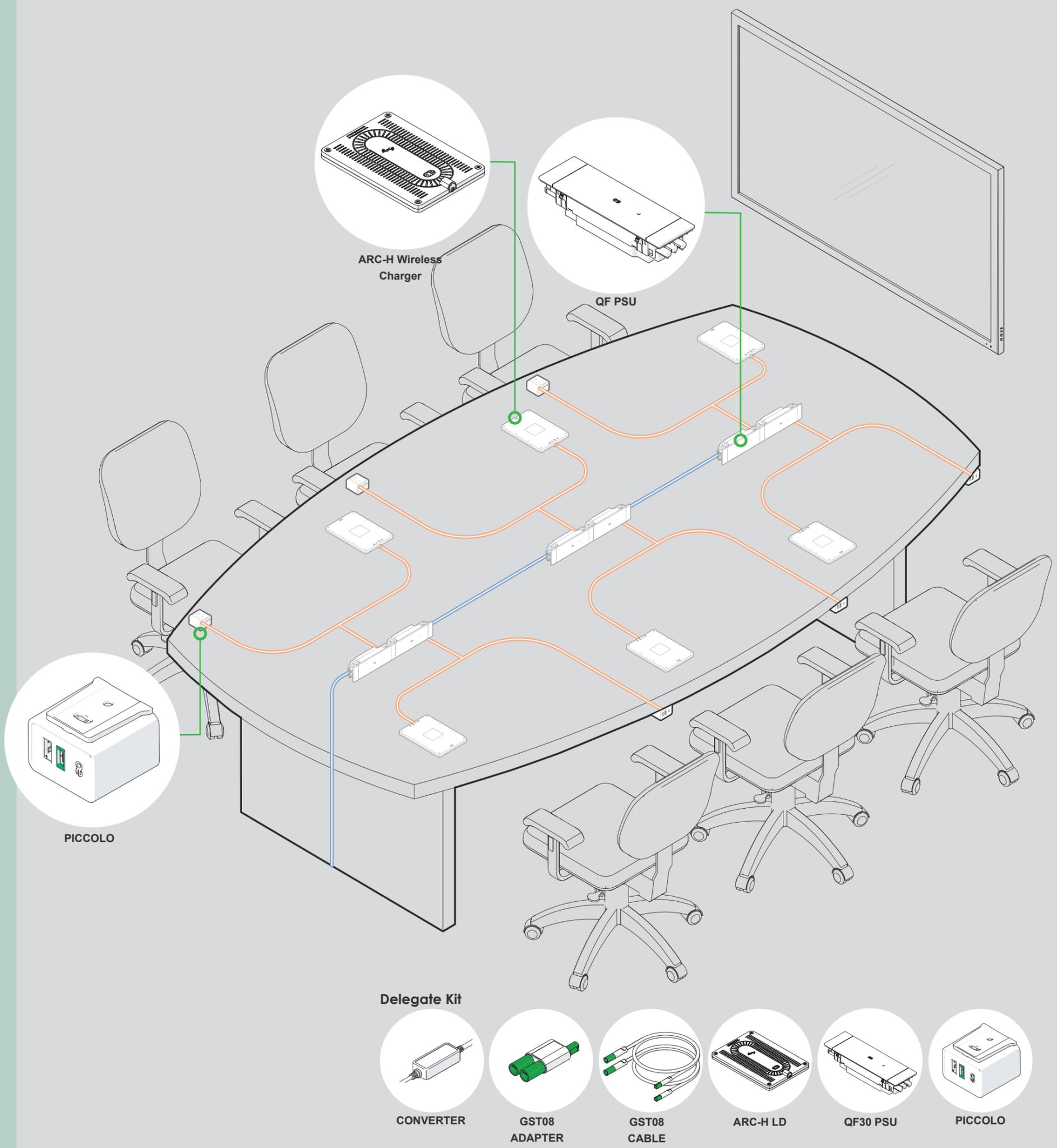
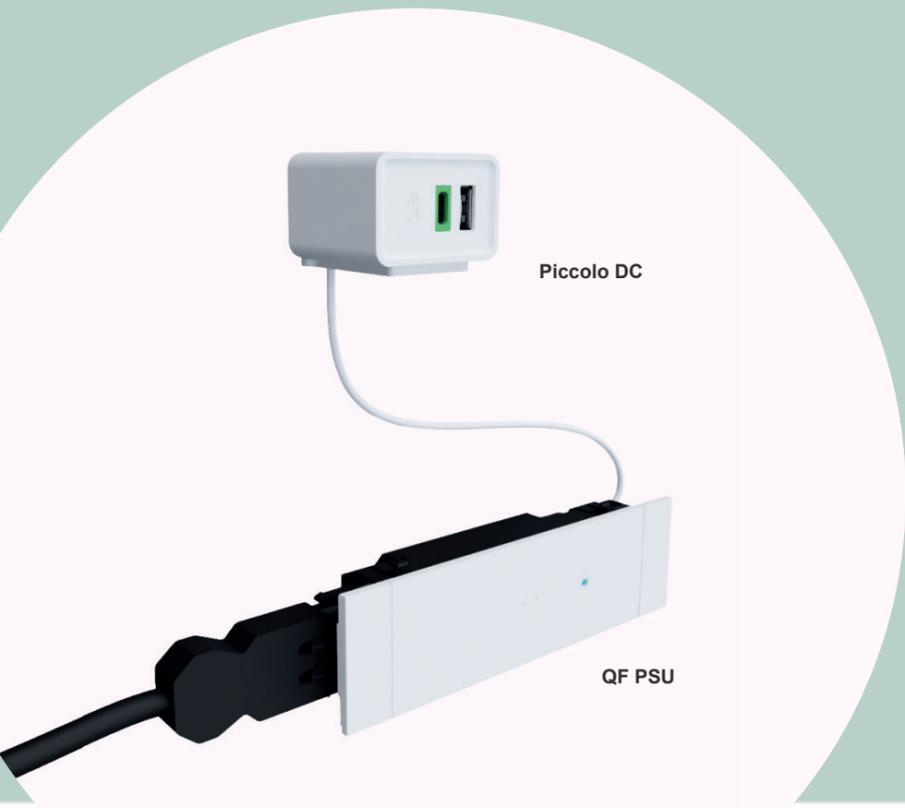
# Conference Tables

# 2

We've all been there; a conference table full of people, their laptops, AND their cables running over the table or snaking across the floor. QikFit **TUF-R®/HP** charger allows users to charge their laptop, phone, or both without the need for those big AC power adapters. Delivering up to 72W in total, QF **TUF-R®/HP** provides enough power to charge whatever you plugin.

A single lead from a 15A mains power socket can power multiple QF PSUs which in turn, power each PICCOLO DC USB Charger. It's also possible to add through-surface wireless chargers to the SINGLE lead circuit. Ask for details on our conference desk DELEGATE KIT.

The ANIMATE family connects seamlessly to our QIKFIT AC to DC QF PSU. In instances with a wall-mounted AC-powered device such as a TV, an in-line power module (available with the US or international sockets) can be added to the circuit to take care of it.



### Delegate Kit

- CONVERTER
- GST08 ADAPTER
- GST08 CABLE
- ARC-H LD
- QF30 PSU
- PICCOLO

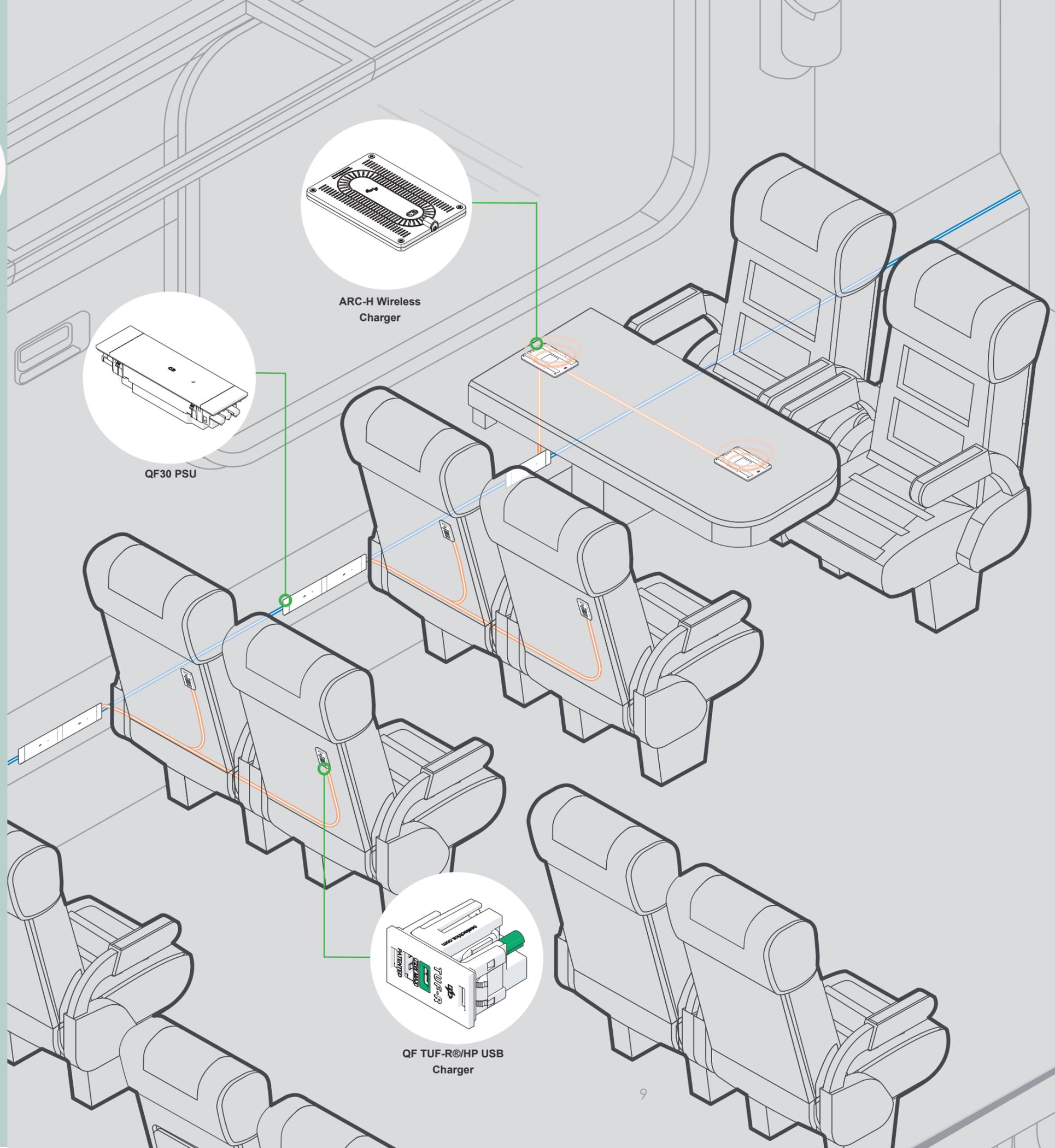
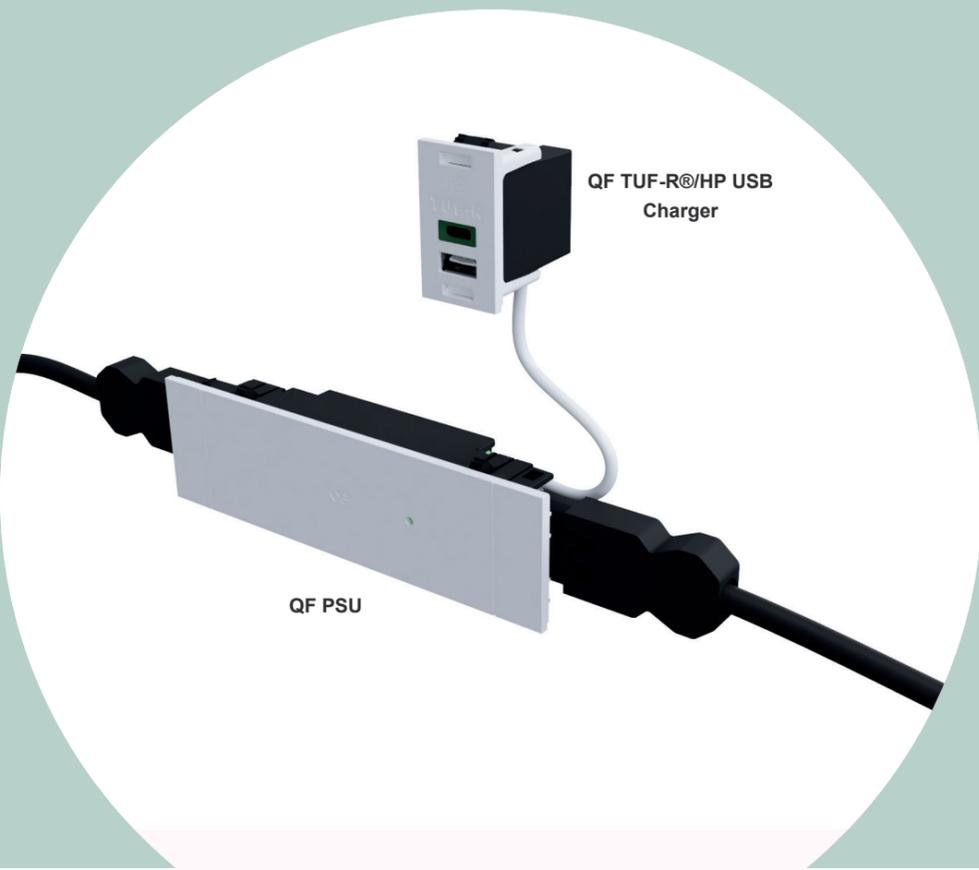
# 3

## Public transport

We spend so much of our time travelling, whether to and from work or visiting friends and family, being able to keep your devices charged should no longer be a luxury but a prerequisite.

For commuters, the train is your office and deadlines are tough enough without dealing with a dead battery. **TUF-R®/HP** charging provides enough power to charge phones, tablets and laptops simultaneously throughout your journey.

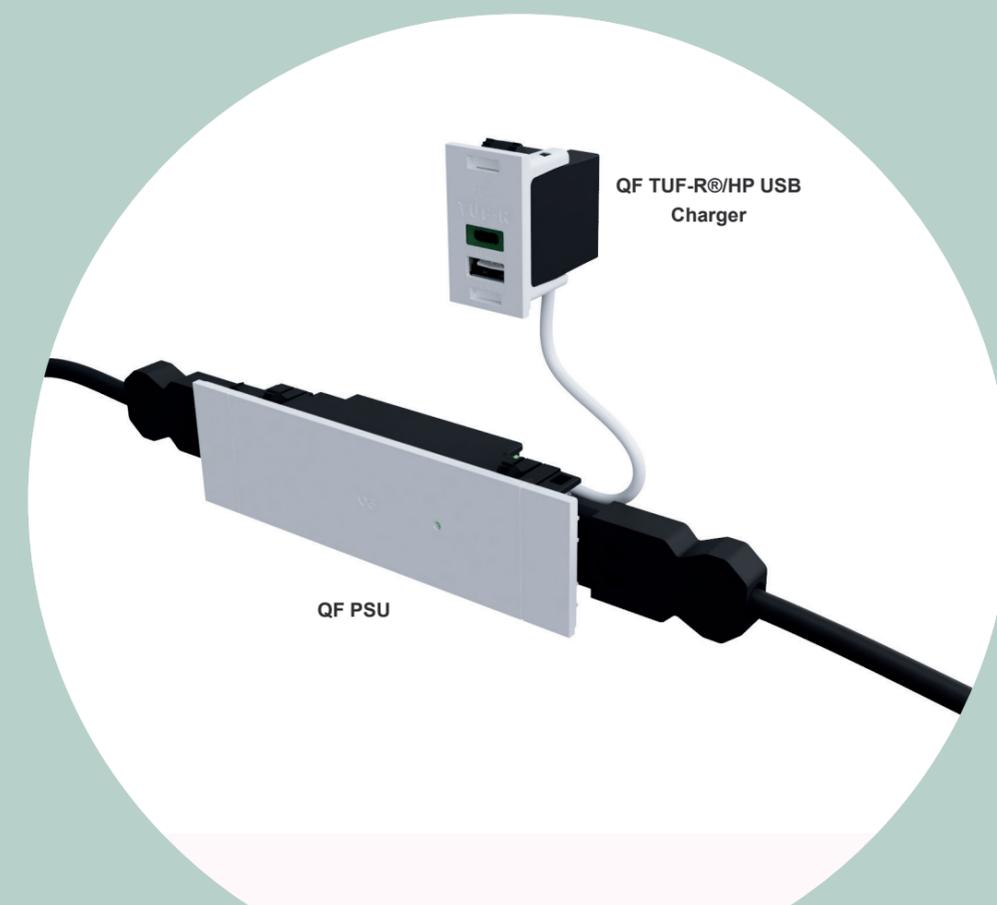
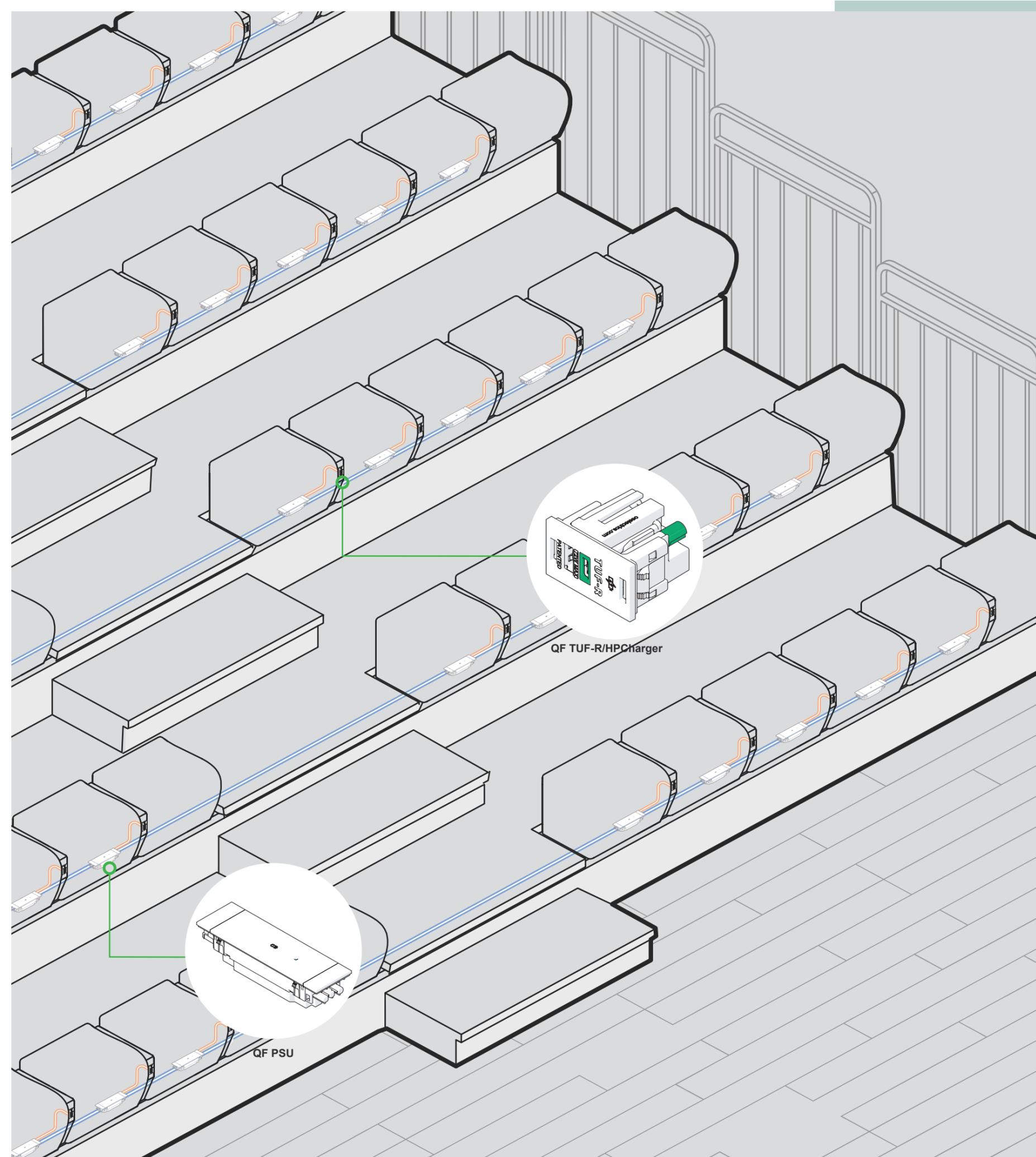
Each QF **TUF-R®/HP** module is supplied via a 70W power supply direct from the train's own AC circuit. Simple to fit and replace in case of damage. In fact, the QF **TUF-R®/HP** can be replaced with the power still on and the train still moving.



## Auditorium/Bleacher Seating

Whether sat in the bleachers watching their children play sports, enjoying a theatre production, or attending a lecture, by offering accessible power and charging from the comfort of their seats, you can alleviate the stress of a dead battery and they don't have to miss a second.

QF TUF-R/HP integrates seamlessly into your seating supplied via our QF PSU allowing visitors to charge quickly and safely. QF TUF-R/HP was designed for high use areas such as auditorium seating and is easily replaced if damaged due to misuse. Using our unique removal tool TUF-R is removed and replaced in minutes without the need of an electrician or even needing to turn off the power.



# Components

## QF TUF-R®/HP



With its small form factor, QF TUF-R®/HP is perfect for integrating into furniture. When combined with our 70W Power Supply Unit QF TUF-R®/HP offers up to 60W delivery from the USB-C, ideal for laptops, and up to 12W from the USB-A, ideal for phones and tablets.

### QF TUF-R®/HP connection options:

options:



Replacement tools:



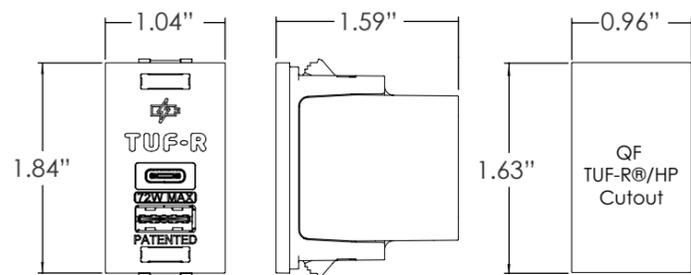
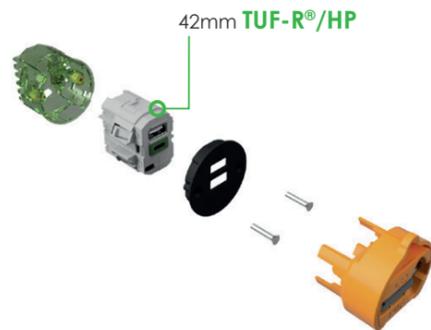
QF TUF-R®/HP

## 42mm TUF-R HP



Our patented round 42mm TUF-R®/HP fits into all OE Electrics' existing units and when combined with our internal or external Power Supply Unit will offer up to 60W from the USB-C port.

### REVERSIBLE



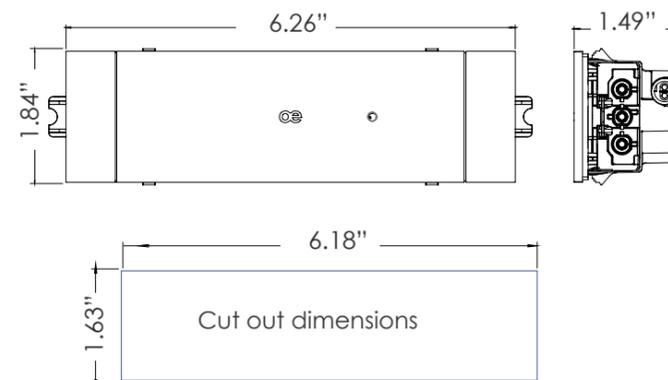
## QF30 Power Supply Unit



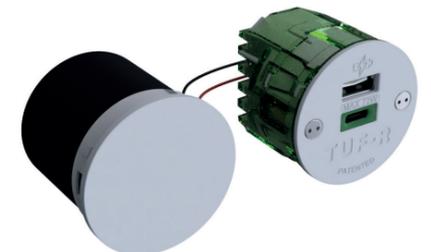
QF30 PSU is a compact QikFit modular inline AC-DC power supply designed as the ideal partner for our new TUF-R®/HP range of USB charging modules.

With its 30V DC output QF30 PSU can also be used for charging compatible battery packs such as our innovative QikPac modular battery pack.

GST18 AC power in/out connectors allow full compatibility with OE GST starter and interconnect cables.



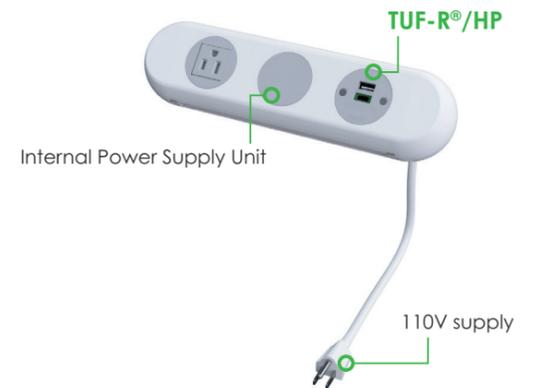
## Internal Power Supply Unit



The 42mm internal PSU converts 110V/240V AC supply to 24V DC supply providing 60W of power. The internal PSU can be installed directly into all but a few existing OE Electrics units allowing for High Power USB charging but with only one entry cable.

**Internal power supply units are due for launch in 2021**

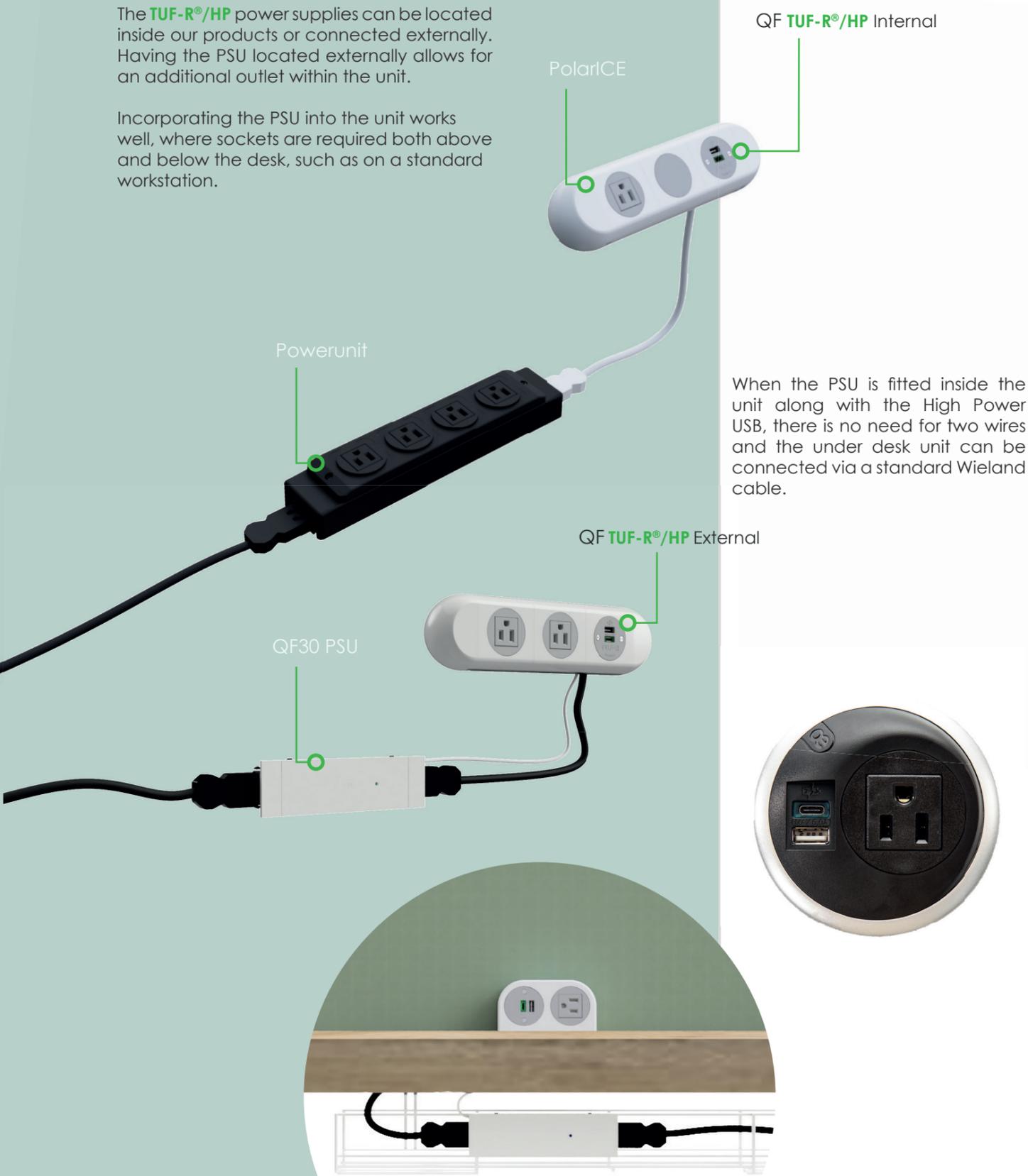
### PolarICE:



# Configurations- Have it your way

The **TUF-R®/HP** power supplies can be located inside our products or connected externally. Having the PSU located externally allows for an additional outlet within the unit.

Incorporating the PSU into the unit works well, where sockets are required both above and below the desk, such as on a standard workstation.



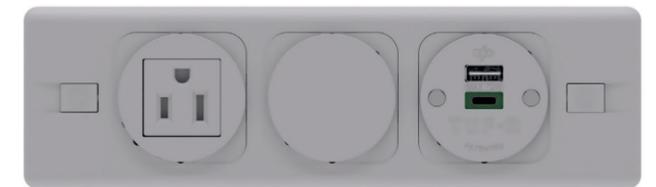
When the PSU is fitted inside the unit along with the High Power USB, there is no need for two wires and the under desk unit can be connected via a standard Wieland cable.

## Internal PSU

The round internal PSU is fitted directly into one of OE Electrics existing range. Taking up only one position. The design allows for a compact solution for High Power USB delivery.



Poco



Puma



Podium



Peak



Within both PLUTO and PANDORA the internal PSU can be 'hidden' inside allowing all apertures to be utilized.



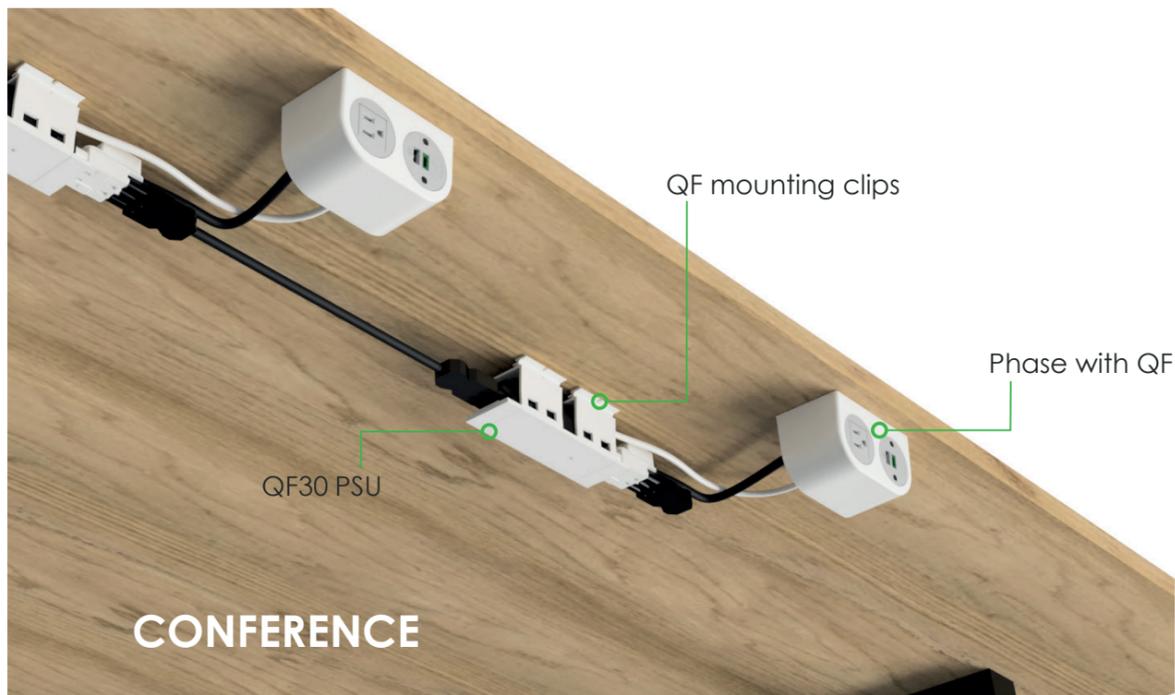
Pluto



Pandora



## WORKSTATION

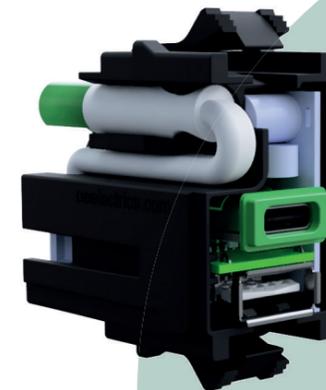


# Custom Integration



Because it's small, the QF **TUF-R®/HP** integrates easily into your designs. The QF **TUF-R®/HP** snaps into a perfectly placed cutout, and the QF PSU tucks away elsewhere.

A good example of where **TUF-R®/HP** can be integrated is airport seating. **TUF-R®/HP** sits neatly into the crook of this arm while the QF PSU mounts cleanly in an out-of-the-way location beneath the seat.



Why not design your own housing to integrate **TUF-R®/HP** into your project?

How do you see **TUF-R®/HP** in your designs? We'd love to help you flex your creative muscles!

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