ARCONAS

inPower™ Flex 3

with USB-A and USB-C ports

Have a Seat, You're in Charge

Give your public seating a charge with inPower™ flex 3 - a convenient way for people to recharge their electronics from the comfort of their seats. inPower™ flex 3 features one AC receptacle, two USB Type-A charging ports, and two USB Type-C charging ports. USB-C enables faster, more convenient charging, and wide charging capabilities, from cell phones to laptops.

1 USB Type-C Port
2 Aluminum Casing
3 Safety Shutters
4 LED Indicator Light
5 AC Receptacle
6 Unit Circuit Breaker Reset Button
7 USB Type-A Port

Features

USB Type-C Power Ports

- The newest and fastest type of USB port
- Adaptive fast charging
- Can charge any type of mobile device from cell phone to laptop without an AC adapter
- Universal charging voltages
- Can charge two laptops simultaneously at their full charging rate
- Reversible connector

Why is it important?

- Travelers can charge without carrying a device AC charger
- International travelers don't need to worry that their charger uses a different voltage
- One cable can work on a wide range of devices and accessories
- Reduces the time needed to charge devices
- USB standard ensures compatibility now and into the future

AC Receptacle & USB Type-A Ports

- One AC receptacles and two USB Type-A ports

Why is it important?

- One inPower™ flex 3 module can serve 2 users

Adaptable to most seating and tables

- Brackets install on all Arconas seating and tables
- Custom brackets available for most tandem seating

Why is it important?

- inPower™ flex 3 can be used on new or retrofitted seating

Slide Mounting

- Simple mounting adapter installation to any bracket
- No tool is required to secure inPower Flex 3 to the mounting adapter
- Optional one-screw-lock

Why is it important?

- Reduces installation time
- Easy access to the unit if maintenance or replacement is required
- Prevents the unit from being stolen

Blue LED Indicator Light

- Blue LED light shines onto faceplate when unit is powered

Why is it important?

- Indicates power availability on each unit
- Maintenance staff can quickly identify which units need to be plugged-in or repaired

Daisy Chain

- Up to 5 inPower™ flex 3 units can be powered from a single wall or floor receptacle

Why is it important?

- The facility does not have to provide a floor/wall receptacle for each unit, reducing coring costs

Maintenance and Reliability Features

Unit Circuit Breaker (12 Amp for North American model, 8 Amp for other models)

- Limits current on all daisy chained units
- Faster and lower trip value than most building circuit breakers
- Can be reset using a pin in a small hole located at the left side of the unit

Why is it important?

- Overload will not endanger users on the effected seats
- Overload is unlikely to trip building circuit breaker
- Building staff can reset the button unaided
- Saves costs and delays from resetting building breakers by licensed electricians

Low Power Consumption

- An idle unit consumes less than 10W

Why is it important?

- Idle unit will not consume too much power (kWh)
- Comparable to stand by DVD player or AM/FM radio

USB Over-Current Protection

- Individual USB port will shut down in case of short or overload
- Automatically resumes operation for less than 15 seconds once overload source has been removed

Why is it important?

- Protects circuits from damage

Detachable Power and Jumper Cords

- Strain on cords likely to pull out rather than damage cord or unit
- Power cable is a universal C13 connector with C14 receptacle on the unit
- Allows different lengths of power cords
- Some brackets have cable securing feature

Why is it important?

- Minimizes damage to cords and exposure to live wires
- This type of power cable is universally available
- Power cable replacement will be easy and inexpensive
- Allows building management to relocate seat with flexible distance to power outlet
- Helps prevent power cables from being stolen

Safety Features

Safe Technology

- All models are equipped with technology that shuts down within 120 ms if there is a ground short

Why is it important?

- Live voltage will be shut-off before user suffers a serious shock

Auto Test and Auto Reset

- The unit performs automatic self test to ensure protection system is working
- It will automatically enable the receptacle once ground fault has been removed

Why is it important?

- Ensures that this safety feature is always available to protect users
- No need for maintenance staff to periodically test

Safety Shutters

- Receptacles have tamper resistant shutters
- Blocks access to live contacts unless complete plug is inserted in receptacle

Why is it important?

- Prevents individuals from sticking objects into the receptacle and suffering a shock

All Aluminum Casing

- Strong unit that complements polished aluminum seating components
- Connected to safety ground

Why is it important?

- Stands up to impacts from luggage, floor cleaners, etc.
- Resists scratching when users insert plugs
- Prevents a shock hazard if the unit is physically damaged

SPECIFICATIONS

Environmental Conditions
- Temperature range 0˚ to 40˚C
- Humidity 0 to 95% non-condensing
- Indoor use

Certifications
North American Model - 120 VAC
- Tested to UL/CSA 60950-1
- EMC/EMI to FCC Part 15 Subpart B and ICES-003
- All components are UL/CSA listed and ROHS

International Model - 240 VAC
- Tested to UL/IEC 60950-1
- EMC/EMI to EN 55024 / 55032
- CE Mark
- All components are UL listed and ROHS

Daisy Chain Length
- Receptacle modules - 5 in series
- Maximum 24 feet for total jumper length

Power Capacity
North American Model - 120 VAC
- 120 VAC 12 A for a daisy chained system
- 120 VAC 12 A max for each module
- 5VDC/5A, 12VDC/5A, and 20VDC/4.64A max for each USB Type-C port
- 5VDC/2A max for each USB Type-A port
- Connect to MAX 15A circuit

International Model - 240 VAC
- 240 VAC 8 A for a daisy chained system
- 240 VAC 8 A max for each module
- 5VDC/5A, 12VDC/5A, and 20VDC/4.64A max for each USB port Type-C port
- 5VDC/2.2A max for each USB Type-A port
- Connect to MAX 10A circuit

Protection
- Inlet power daisy chain limit - resettable breaker with fault indication
- North America 120 VAC - 12 Amp
- 240 VAC models - 8 Amp
- Module limit - resettable breaker with fault indication
- Auto-test and auto-reset features
- Automatic auto-test will temporarily disable the receptacle if a fault is found
- USB Type-A/C over-current protection - 2.4A/6.8A

Connections
North American Model - 120 VAC
- User AC outlet: 3 prong tamper-resistant NEMA 5-15R receptacle
- Power inlet cord: 3-prong 15 A NEMA 5-15P plug to IEC 60320 C13
- Power inlet: IEC 60320 C14
- Daisy chain power outlet IEC 60320 C13 to C14
- User DC outlets - USB Type-C and Type A

International Model - 240 VAC
- User AC outlet:
  - Schuko - CEE 7/3 receptacle
  - UK - BS 1363 receptacle
  - Australia - AS/NZS 3112
- Power inlet cord:
  - Schuko - CEE 7/7 plug to IEC 60320 C13
  - UK - BS 1363 plug to IEC 60320 C13
  - Australia - AS/NZS 3112 plug to IEC 60320 C13
- Power inlet: IEC 60320 C14
- Daisy chain power outlet IEC 60320 C13 to C14
- User DC outlets - USB Type-C and Type-A

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