



inPower™ Flex 3

Specifications

OVERVIEW



- The primary component of the system is the receptacle module. In addition to the AC and DC power receptacles it includes an integral 12 VDC power supply, a power indicator light, a ground fault interrupter, and a circuit breaker to limit the current on the module and to limit the current within a daisy chain of modules and the inlet and outlet power connectors. The power cord connects to a wall or floor power socket and jumper cords are used to interconnect the receptacle modules in a daisy chain.
- The inPower™ Flex 3 system is designed to minimize the tripping of the building circuit breakers. When used as the only load on a building circuit, the daisy chain circuit breakers will trip before the building service breakers. This will minimize the need to access the electrical closets when an overload occurs. It can be reset from the module that tripped by a user or staff member.
- Each module also includes a circuit breaker to limit the current to approximately 1440 watts. This prevents the use of high current devices (hair dryers, travel irons, floor cleaning machines, etc.) while allowing the use of all consumer electronics. When a high current device is used, the unit shuts down. It can easily be reset by a user or staff member resetting the circuit breaker.

FEATURES

Electrical Connections

Daisy Chain Length

- inPower™ Flex 3 units can be connected in a series to allow multiple units to be powered from a single power source. No more than 5 units can be included in a single series connected daisy chain.



Daisy Chain Connections

- IEC 60320 C13 Power cord or jumper cord inlet
- IEC 60320 C14 jumper cord outlet

AC Outlet Connections

- North American - Two NFMA 5-15R (3 prong including ground)
- UK-Two BS 1363 sockets (3 prong including ground)
- Schuko - Two CEE 7/7 sockets (2 prongs plus ground clip)



USB Charging Capability (All Models)

- Compliant with USB 3.1 Power Delivery 2.0 USB Type-C
- Apple™ devices charging capabilities
- Direct laptop charging through USB Type-C

Power Capacity (North American Model)

- 120 VAC 12 A max for each module
- 5VDC/5A, 12VDC/5A, and 20VDC/4.64A max for each USB receptacle

Power Capacity (230VAC Model)

- 230 VAC 8 A max for each module
- 5 VDC/5A, 12VDC/5A, and 20VDC/4.64A for each USB receptacle

Protection

- Module limit: re-settable breaker with fault indication
 - North America 12 Amp
 - 230 VAC models 8 Amp
- Shock Safe with self-test and auto-reset
 - North America models trips at 5.5mA
 - 230 VAC models 11mA
- USB over-current protection 6.8A

Environmental Conditions

- Temperature range 0° to 40° C
- Humidity 0 to 95% non-condensing
- Indoor use

Operation

- The inPower™ Flex 3 modules will be installed under table tops or under public seating in places easily reached by the public. The users will plug in their consumer electronic devices using standard power cords or USB cords
- Service can be extended from one unit to another using a jumper cable from the daisy chain outlet of one unit to the power inlet of a second unit to a maximum of 5 series connected units
- If the receptacle indicator is not illuminated, a user or staff member can reset one or both circuit breakers to restore service. The reset button is in a pinhole on the left side of the unit. A pin is required to reach the reset button

Approvals

- All components are UL/CSA listed
- All components meet ROHS
- Tested to UL/CSA/IEC 60950
- FCC Part 15 Conducted and Radiated Emissions Class B
- Industry Canada ICES-003 Class B
- North American - cTUVus Mark
- UK and Schuko - TUV SUD and CE Mark



Design Details

- All aluminum die casting body and face plate
- Maintenance by user and operator limited to re-setting breakers. Return complete assembly to factory for all repairs
- Cable management to dress jumper cords and contain excess length
- Blue LED panel illumination to indicate module ready to service
- Brackets available for all Arconas beam seating units
- Unique brackets can be designed to adapt inPower™ Flex 3 to many other seating designs