SPECTRUM INDUSTRIES INC.

Technical Specifications

55470

Power side

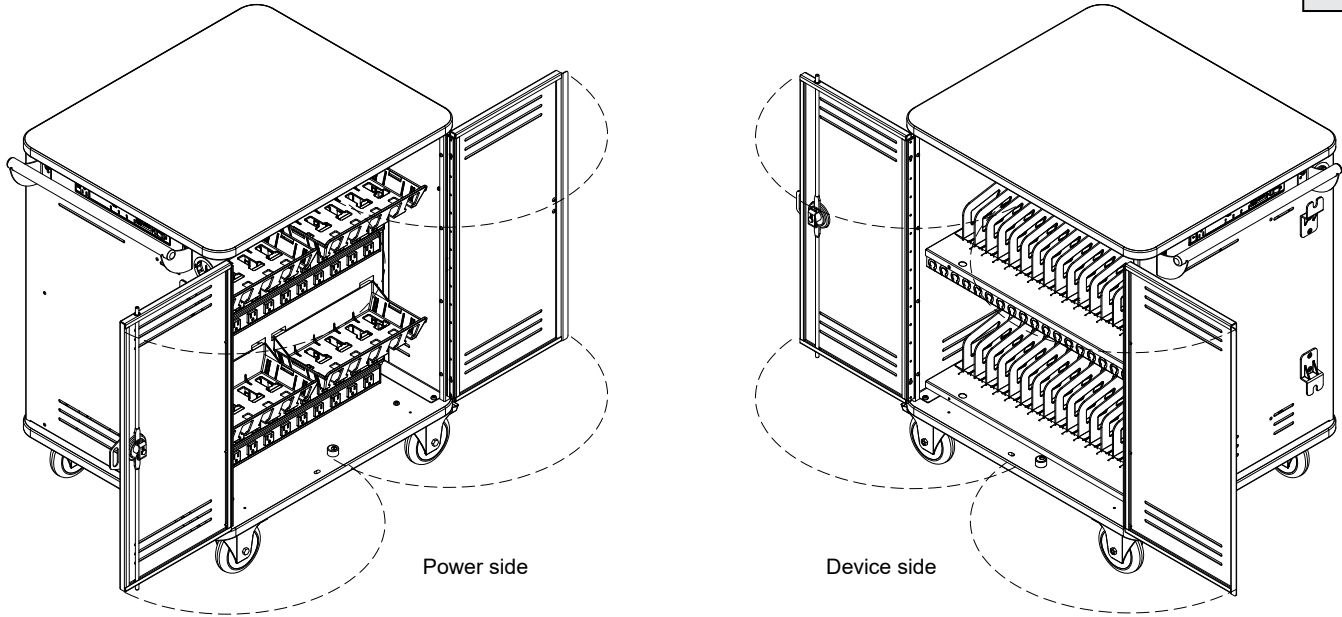Device side

Use the Cloud40 cart to store, transport, and charge up to 40 of the largest devices. The cart's compact footprint (30.75" x 26") allows easy movement between rooms and saves valuable space. A current-sensing timer provides adaptive switching, preventing electrical overload in underpowered classrooms, and will handle the next generation of devices with high wattage charge adapters. Padded shelves and flexible dividers protect the devices. Overhead wire management aids the wiring integration and allows the charging plugs to hang in front of each device. The cart's compact footprint and handle provide easy mobility. The Cloud40 Cart is made with heavy-gauge steel for security and powder-coated for a durable, long-lasting finish. A dual-bolt lock with hasp on the doors increase security of the devices.

ETL LISTED US / Intertek

Features and Benefits

- Stores, charges, and transports up to 40 of the largest devices (up to 14")
- 1.25"W x 15.3"D x 12.3438"H storage bay
- Small cart footprint (30.75"W x 26"D) saves valuable space
- Durable ABS plastic dividers protect devices from scratching (dividers are removable to provide storage space for thicker devices)
- Dual doors provide easy access while reducing space necessary for swing radius
- Double bolt keyed locks and heavy-gauge steel doors provide security
- Hasp locks provide an additional level of security and the ability to use your padlocks of choice (not included), or secure the unit to a wall
- Devices and students are separated from all line voltage
- Superior, all-metal overhead cord management system keeps charge cords organized above each storage bay

- Intuitive PowerProdigy™ charging system senses current from up to four, 10-outlet power units and distributes power (up to 10A) to the least-charged devices first (where charging is needed most) ***For most power adapters up to 135W**
- Four adjustable, 10-outlet, (125V~/12A, 60Hz) universal power units work with both inline, and wall adapters
- External power switch provides easy-access for safe power connection / disconnection
- 2 auxiliary outlets (always on) for teacher laptop, Wi-Fi access point, or other accessory (1 external, 1 internal)
- Cart is available prewired with USB-C PD chargers

- Large, removable QuickBrick™ wiring trays with retaining straps for charge adapters allow wiring to be completed outside the cart at the comfort of a workstation or desk to provide quick and easy integration
- Ventilated doors and side panels keep devices and chargers cool, preventing overheating, and extending device life
- Replaceable, IEC quick-release, 8' nominal 14 AWG, 3-wire power cord and external cord wrap brackets provide easy power access

- Four inboard locking 5" balloon wheel casters provide easy rolling, and quiet transport
- One all steel handle provides control and maneuverability
- Worksurface and base panel vinyl edging protects walls and furniture

- Cart ships fully-assembled with handle for quick, simple integration and deployment
- Durable powder coated steel chassis provides a long-lasting finish
- Scratch and impact-resistant high-pressure laminate top provides a durable, useful worksurface for instructors
- ETL certified to UL 60950-1 in the US and Canada for the cart and electrical system
- Warranted to be free of all defects in materials and workmanship for 10 years, electrical system 2 years
- Designed and assembled in Chippewa Falls, WI, USA

55470-ABD - Cloud40 w/ PowerProdigy™ timer
55470-USBC - Cloud40 w/ USB-C PD charging / PowerProdigy™ timer (prewired)

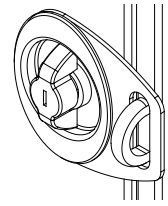Note: This cart is designed to hold up to 40 devices.

Color Options

Laminate:
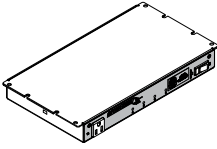White Fiesta

Metal:
Warm Gray

Construction

- The worksurface and base panel is constructed from 1" composite board with .030" high-pressure laminate on one face, and a balancing phenolic backer on the opposing face
- Worksurface and base panel edges are covered with 3mm vinyl edge band
- 16-gauge side panels, shelves, and doors
- All metal components are finished with a scratch-resistant powder coat epoxy
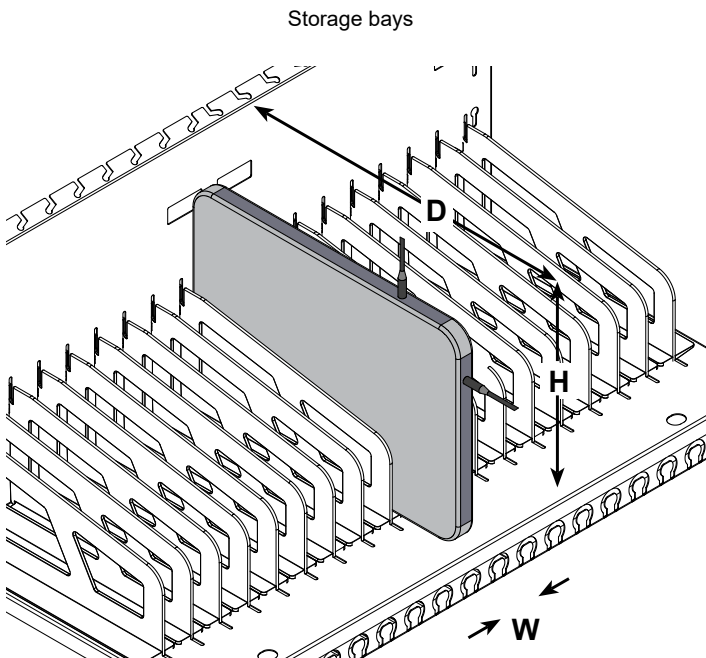- This cart is factory-assembled, packaged, and shipped on its own skid

Double-bolt lock with padlock
hasp (on both doors)
(padlocks not included)

Specifications

Capacity	40 devices	
Storage bays (nominal)	1.25"W [3.18 cm] x 15.3"D [38.89 cm] x 12.3438"H [31.36 cm]	
Electrical	• (4) 10-outlet power units (outlets rotated 90°) • 125V~/12A, 60Hz • 15-amp breaker	• Locking power-side door isolates and separates electrical line voltage from students • ETL recognized (certified to 60950-1)
PowerProdigy™ Timer	• Low-profile, 16-gauge steel enclosure • 125V~/12A, 60Hz • Externally-accessible 15A on/off switch • Smart charging senses current and distributes power to the power units requiring it most • Four timed power unit-dedicated outlets (labeled A, B, C, D) controlled by logic board (up to 10A power output)	• Cycling interval 15 min • Four LED lights indicate charging activity status of each power unit • Two auxiliary outlets (1 external, 1 internal) 1A each (controlled by main on/off switch) • IEC quick-release (replaceable) 8' nominal, 14 AWG, 3-wire power cord • ETL recognized (certified to 60950-1)

⚠ Note: The customer should be aware of the amp draw of the devices used with this cart-especially when maxing out the storage and charging capacity. Exceeding 15 amps will trip the circuit breaker. Please consult the owners manual of your specific device for power consumption information.

5" Balloon Wheels	Weight capacity 300 lb [136 kg] each	
Certifications / Compliance	• ETL certified to UL 60950-1	• Meets or exceeds applicable ANSI-BIFMA test standards
Unit weight (nominal)	208 lb [94.4 kg]	
Shipping weight (nominal)	240 lb [108.9 kg]	

Specifications subject to change without notice

Storage bays

D

H

W

Devices must be placed in the bays with the charge plug on one of the two exposed edges shown.

Note: Do not place items weighing more than 50 lb [22.7 kg] on the top surface. Please remove or secure items before moving cart.

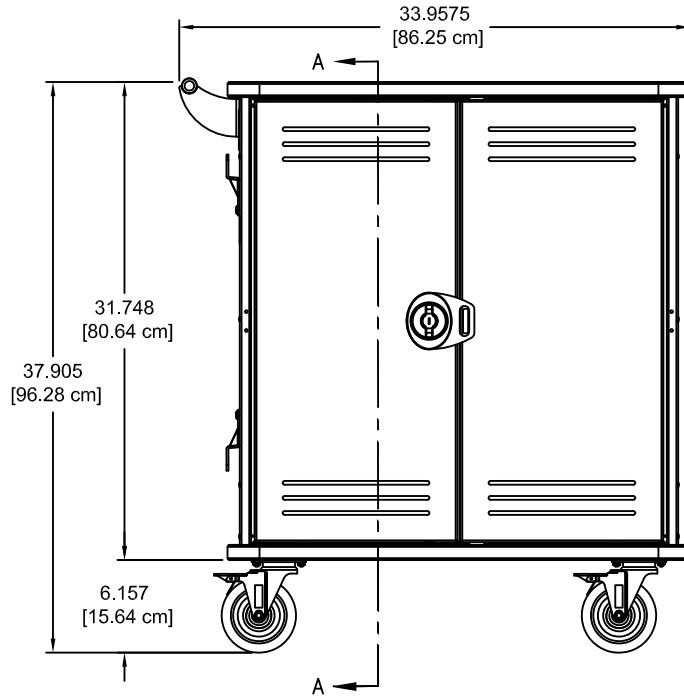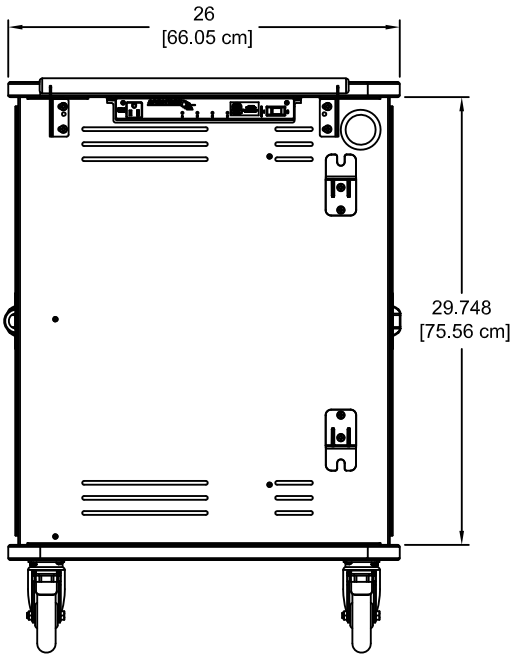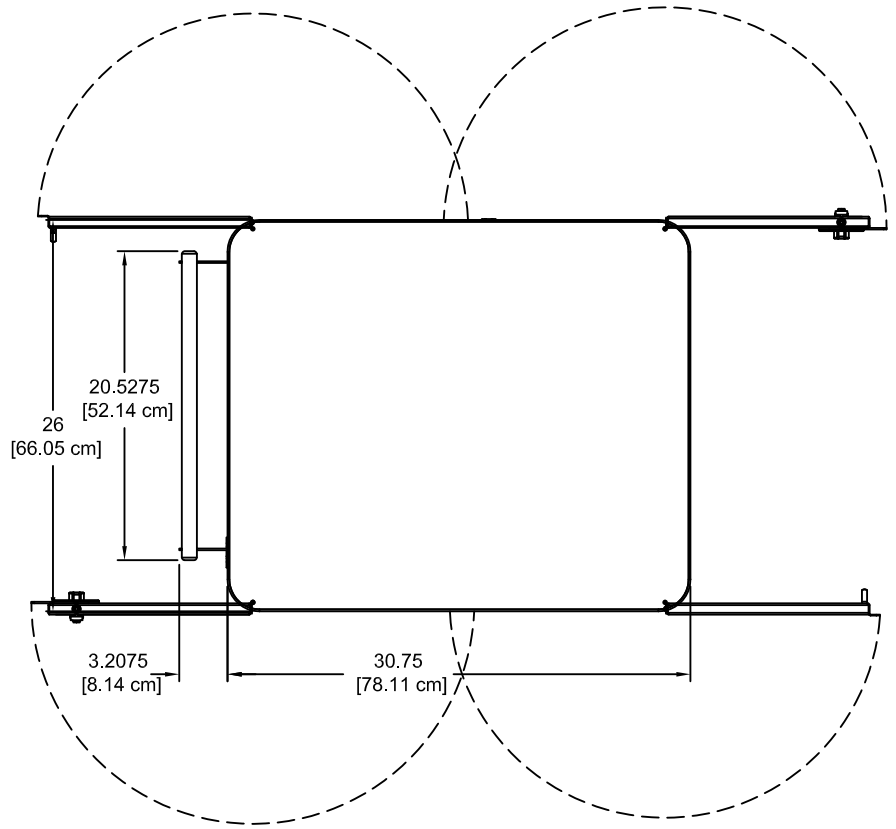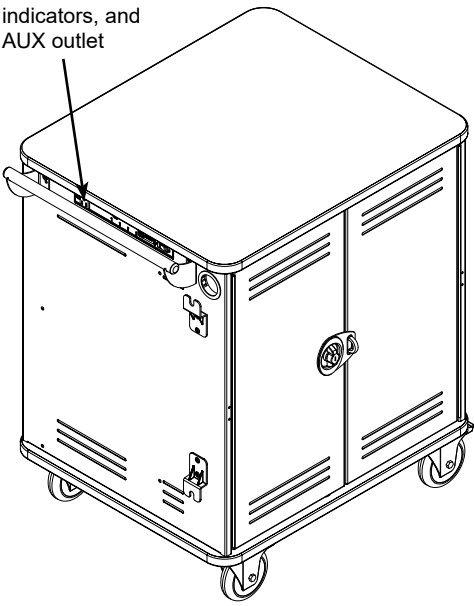## USB-C PD Charger
(USB-C PD prewired cart only)

65w

Specifications:
- Model: HA712
- Input: 100-240V ~ 50/60Hz 1.5A
- Output (USB-C PD): 5V~3A 9V~3A 12V~3A 15V~3A 20V~3.25A
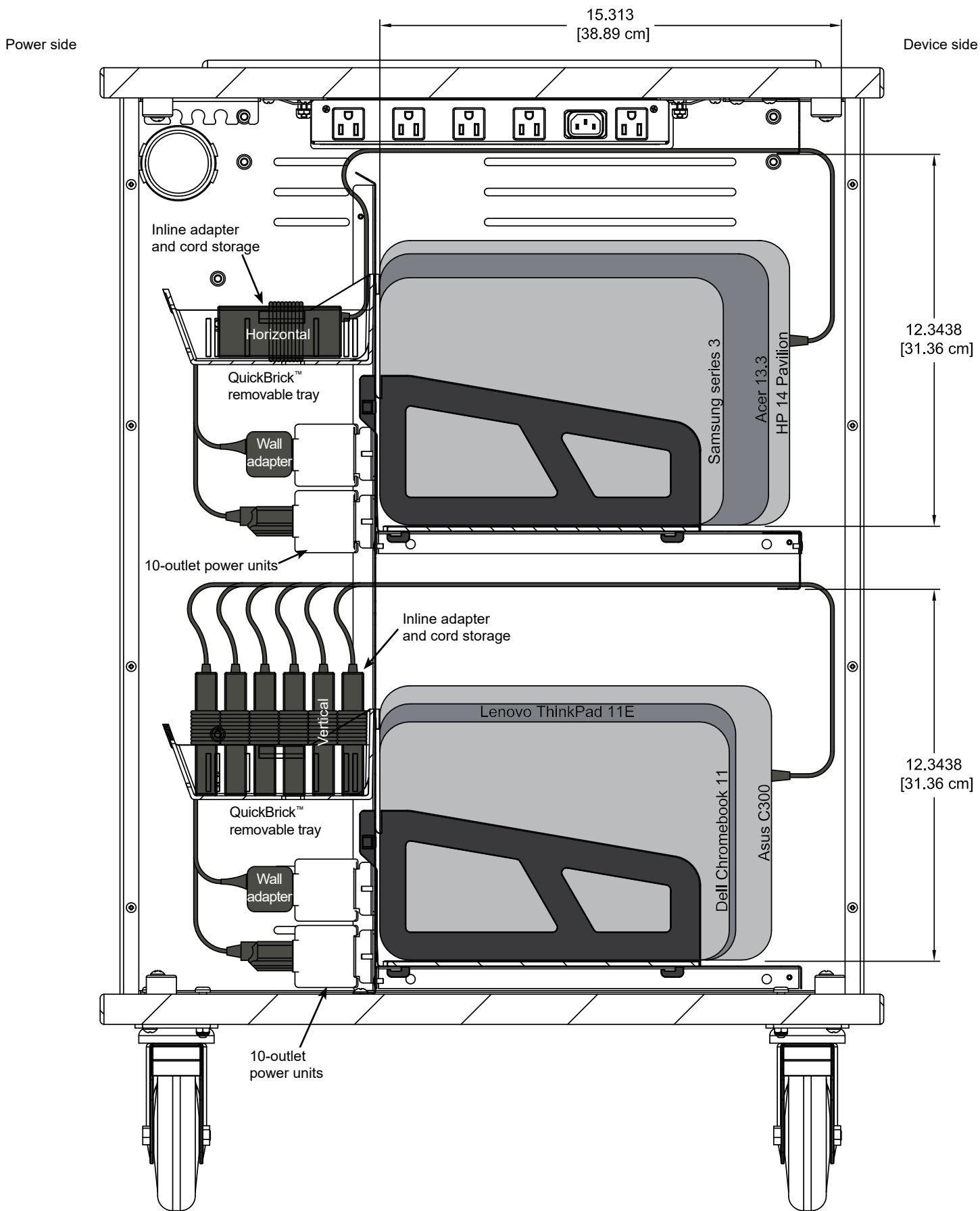- Dimensions: 1.97" x 1.97" x 1.10" (50mm x 50mm x 28mm)
- Net Weight: 3.42 oz [97 g]

5" Balloon Wheel

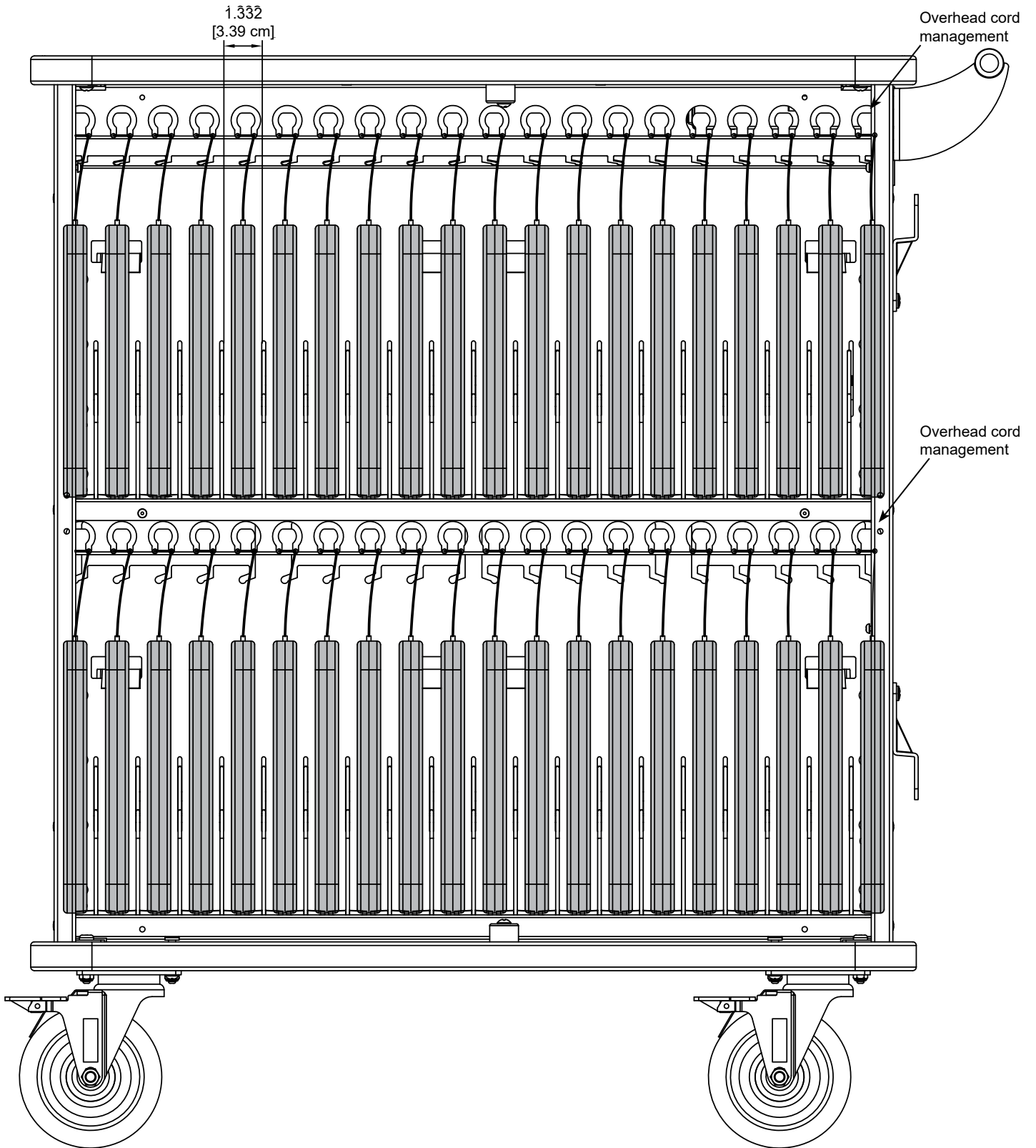Note: (2) locking, and (2) non-locking casters are included on each cart.

2.375
[6.03 cm]

6.157
[15.64 cm]

Ø5
[Ø12.7 cm]

1.223
[3.11 cm]

External power switch, LED indicators, and AUX outlet

20.5275
[52.14 cm]

26
[66.05 cm]

3.2075
[8.14 cm]

30.75
[78.11 cm]

26
[66.05 cm]

29.748
[75.56 cm]

33.9575
[86.25 cm]

A

31.748
[80.64 cm]

37.905
[96.28 cm]

6.157
[15.64 cm]

A

Section view A-A
(shown with common Chromebook models)

Power side

Device side

15.313
[38.89 cm]

Inline adapter
and cord storage

Horizontal

Samsung series 3

Acer 13.3

HP 14 Pavilion

12.3438
[31.36 cm]

QuickBrick™
removable tray

Wall
adapter

10-outlet power units

Inline adapter
and cord storage

Vertical

Lenovo ThinkPad 11E

Dell Chromebook 11

Asus C300

12.3438
[31.36 cm]

QuickBrick™
removable tray

Wall
adapter

10-outlet
power units

Device side view wiring diagram
(shown without door)

1.332
[3.39 cm]

Overhead cord
management

Overhead cord
management

Power side wiring diagram
(shown without door)
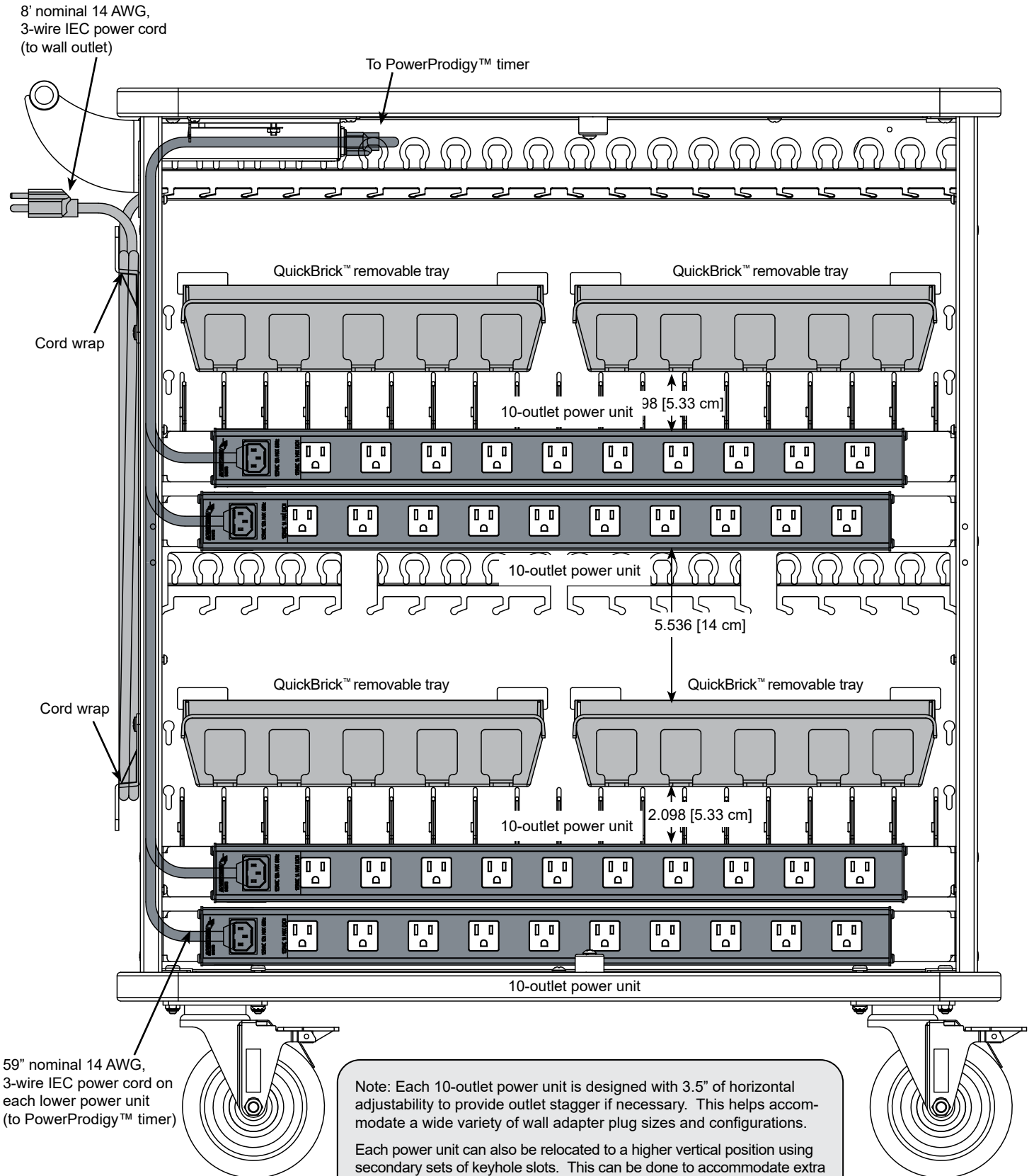
8' nominal 14 AWG,
3-wire IEC power cord
(to wall outlet)

To PowerProdigy™ timer

Cord wrap

QuickBrick™ removable tray

QuickBrick™ removable tray

98 [5.33 cm]

10-outlet power unit

10-outlet power unit

5.536 [14 cm]

Cord wrap

QuickBrick™ removable tray

QuickBrick™ removable tray

10-outlet power unit

2.098 [5.33 cm]

10-outlet power unit

10-outlet power unit

59" nominal 14 AWG,
3-wire IEC power cord on
each lower power unit
(to PowerProdigy™ timer)

Note: Each 10-outlet power unit is designed with 3.5" of horizontal
adjustability to provide outlet stagger if necessary. This helps accom-
modate a wide variety of wall adapter plug sizes and configurations.

Each power unit can also be relocated to a higher vertical position using
secondary sets of keyhole slots. This can be done to accommodate extra
large wall adapters. The QuickBrick™ trays have to be removed in this
configuration.

External side

Power switch

LED lights

AUX outlet

Internal side

A B C D IEC Inlet AUX Outlet

Outlets

**Use with higher amp-draw devices.
Maximum charging capacity: 5,760 watts.**

- Smart charging senses current and distributes power to the power units requiring it most
- Four timed power unit-dedicated outlets (labeled A, B, C, D) controlled by logic board

- Four green LED lights indicate charging activity status of each power unit
- Two auxiliary outlets (1 external, 1 internal)
- ETL recognized (certified to 60950-1)

Input:	125V~/12A, 60Hz
Breaker:	15A, 250 VAC
Cycling interval:	15 minutes
Cycling outlets:	4 timed (A, B, C, D) up to 10A
Auxiliary outlets:	1A each (controlled by main power switch)
Power Cord:	IEC quick-release (replaceable) 8' nominal, 14 AWG, 3-wire
Power switch:	15A (externally accessible)
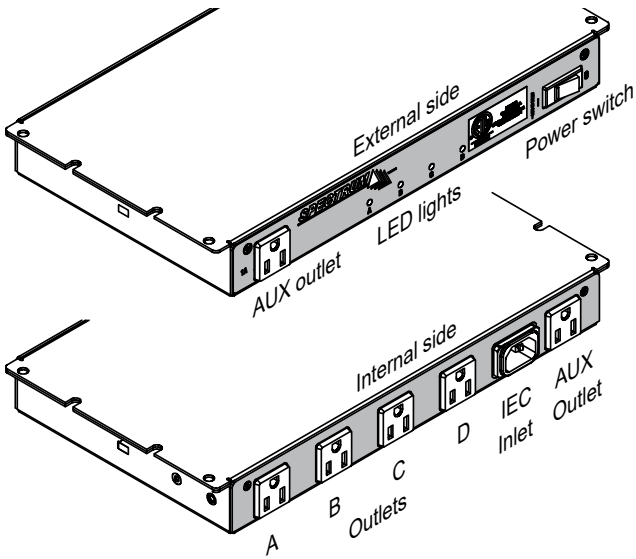
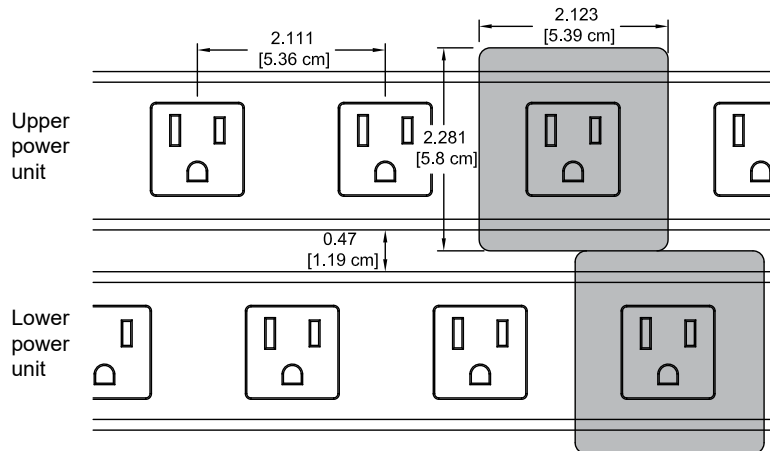| W			
Total watts required per cart (estimated)	= Number of devices	X	Charger wattage

Power unit adjustability

Note: Each 10-outlet power unit is designed with 3.5" of horizontal adjustability to provide outlet stagger if necessary. This helps accommodate a wide variety of wall adapter plug sizes and configurations.
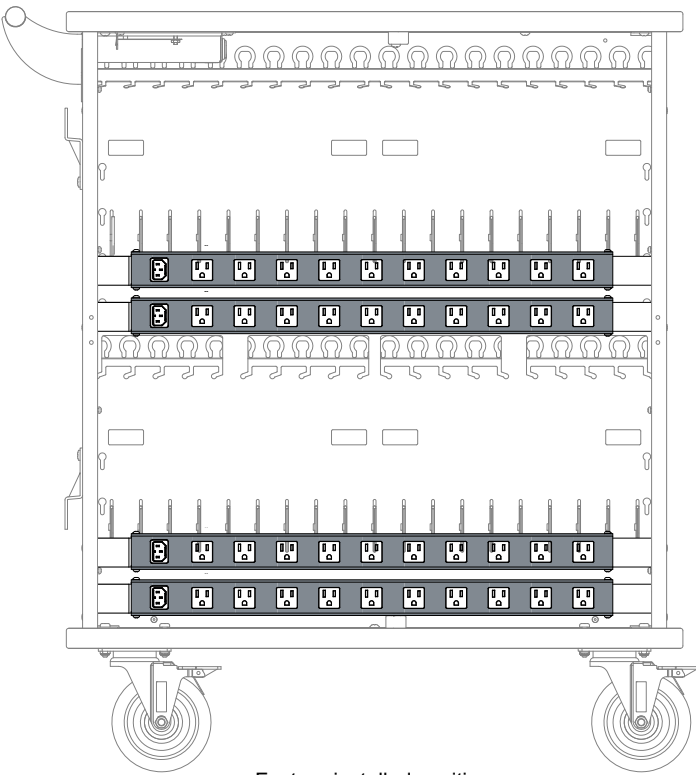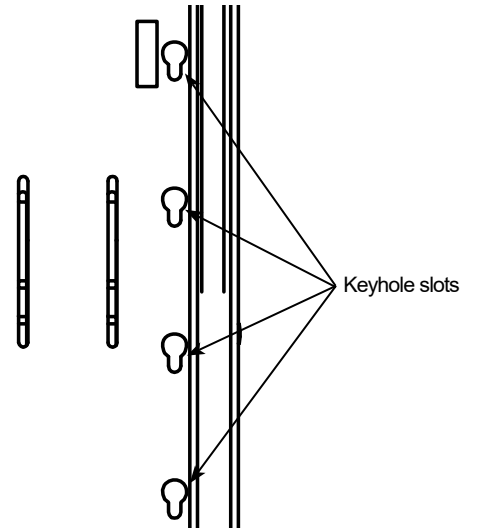
3.5"
[8.89 cm]

3.5"
[8.89 cm]
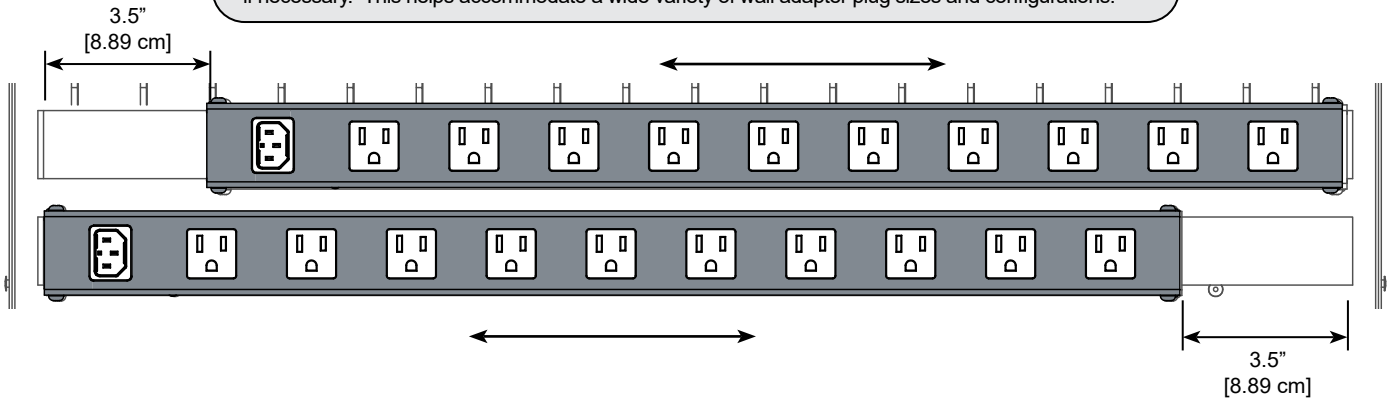
Nominal outlet spacing on
each 10-outlet power unit

2.111
[5.36 cm]

2.123
[5.39 cm]

Upper
power
unit

2.281
[5.8 cm]

0.47
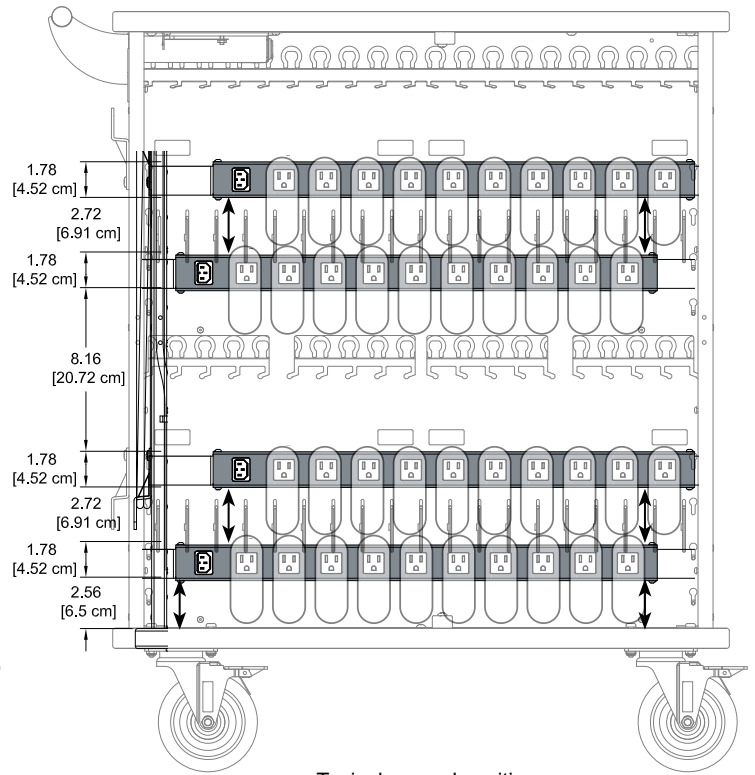[1.19 cm]

Lower
power
unit

(See p.7 for spacing
above and below outlets)

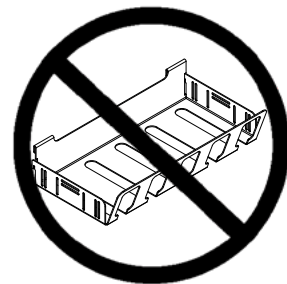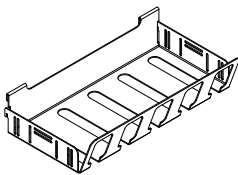Power unit vertical adjustability
(shown without door)

Note: Four sets of keyhole slots provide the ability to verti-
cally relocate each 10-outlet power unit. This can be done
to provide clearance for extra large wall adapters. Loosen-
ing two screws on each power unit allows easy adjustment.
The QuickBrick™ trays are not needed and have to be
removed in this configuration.

Keyhole slots

1.78
[4.52 cm]

2.72
[6.91 cm]

1.78
[4.52 cm]

8.16
[20.72 cm]

1.78
[4.52 cm]

2.72
[6.91 cm]

1.78
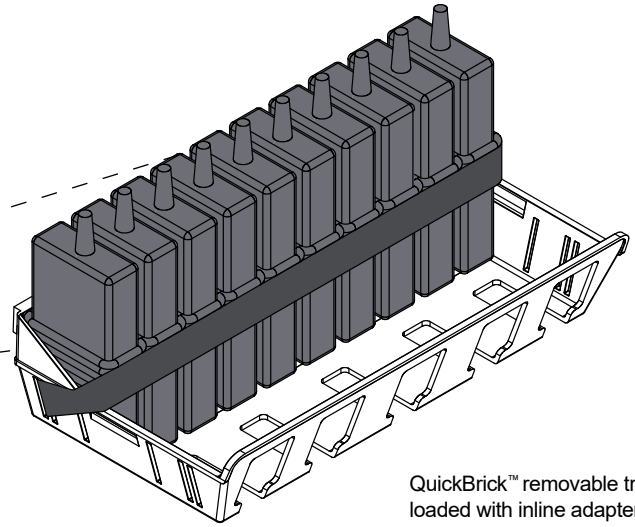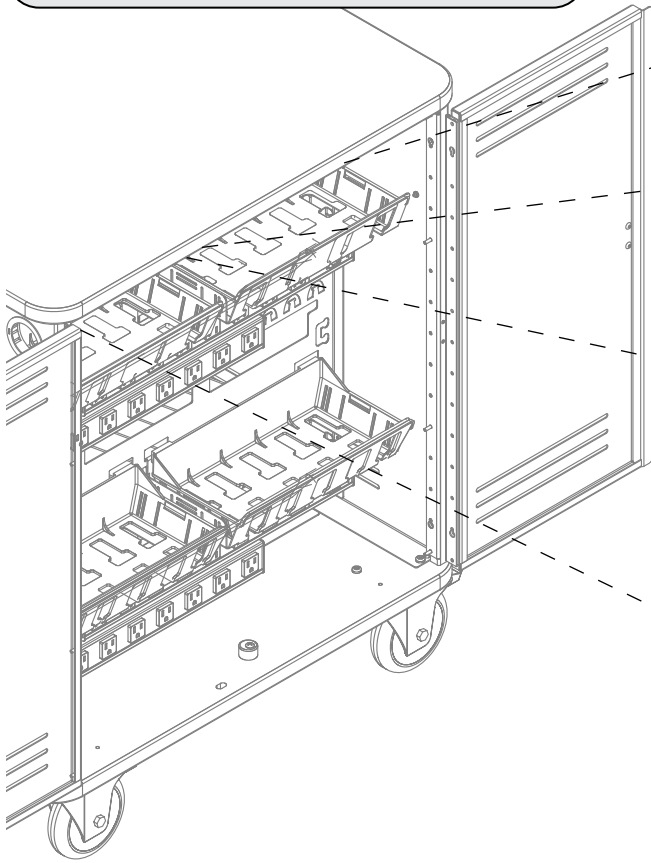[4.52 cm]

2.56
[6.5 cm]

Factory-installed position

Typical spaced positions
for large wall adapters

Note: Cart includes four QuickBrick™ removable trays with a hook and loop retaining strap for charge adapters to provide fast and easy wiring for quick deployment.

For devices with wall adapters, the QuickBrick™ removable trays can be used to store bundled cords.
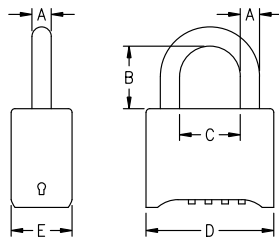

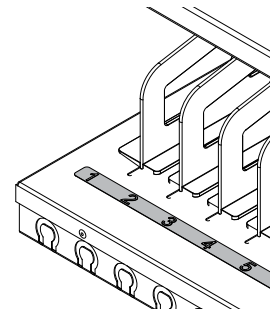QuickBrick™ removable tray loaded with inline adapters in vertical position
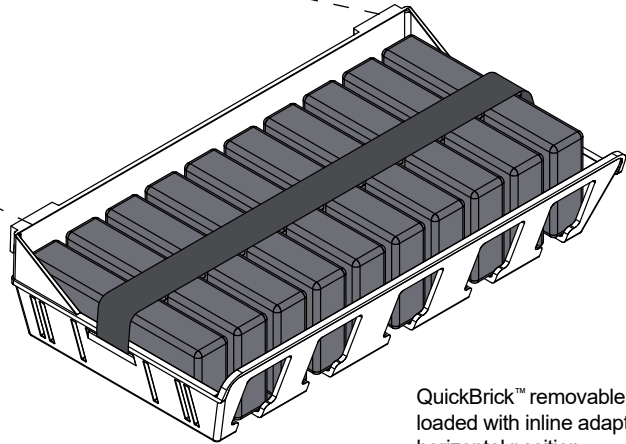
QuickBrick™ removable tray loaded with inline adapters in horizontal position

Accessories

A	.3125" [7.9 mm]
B	1" [25.4 mm]
C	.983" [25 mm]
D	2.07" [52.5 mm]
E	.987" [25.1 mm]

Re-programmable 4-digit Combination Lock - 95536

- Set your own 4-digit personalized combination (up to 10,000 options)
- 5/16" hardened steel shackle for cut-resistance
- Black powdercoated die-cast body for durability
- Change key included
- Unit weight: .55 lb [.25 kg]

Hook-and-loop Strap Kit - 95004

(16) .75" [1.91 cm] x 12" [30.48 cm], and (32) .75" [1.91 cm] x 5" [12.7 cm]

Slot labels for Cloud40 - 55475

- Black numbers on transparent adhesive backer
- 1-20 label, 21-40 label

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