Eaton RS Enclosure

Simple to configure data center solutions
RS Enclosure key features

• Power optimized for seamless integration with Eaton power solutions
• Flexible reconfiguration
• Full range of sizes from 42U to 52U; global metric (mm)
• Simple to specify, order and configure
RS Enclosures solve customers' challenges

- Ease of installation and adjustment of enclosure components including:
  - PDUs
  - Front-to-rear cabling
  - Rails
  - Doors and side panels
  - Top panels
  - Enclosure reconfiguration (levelers and baying)
- Adequate room for cable loops on rack PDUs
- Having the right tools handy for installation
- Flexible, cost-effective vertical and horizontal cable management
RS Enclosure solution overview

- Multiple preconfigured options (server, networking, colocation)
- Sizes: 42U, 45U, 48U, 52U; 600 and 800 mm wide; 1000, 1100 and 1200 mm deep
- Robust frame: 3000 lbs. static loading
- Seamless PDU integration and multiple options for mounting PDUs
- Cost-effective and flexible cable management included in base design and with additional accessories
- Option for flat pack for global requirements
RS Enclosure features

- Modular configuration of enclosure components including:
  - Rail adjustment
  - Top panel changes
  - Cable management install
  - Door / side panel removal
  - PDU install
RS Enclosure: front doors

- Easy tool-less removal and replacement of doors
- Quick disconnect lanyard to support tool-less removal of doors
- Maximized perforation surface area
- High-flow perforation for maximum airflow
- High aesthetic look and feel
- Cost-effective design
- One door with multiple lock options
  - Swing handle, combo, HFID
RS Enclosure: rear doors

- Lightweight, single sheet of metal design for each half
- Easy lift-off door
- 180°+ degree opening
- Quick disconnect lanyards
- Swing handle
RS Enclosure: rails

- Easy adjustment
- Markings on cross members to easily align rails
- Markings on front and rear of rail
- Air dam option to manage airflow
RS Enclosure: sides

- Identical split side panels
- Two versions with and without cableway
- Easy lift-off design with side latches and key lock
- Flush with frame; no added width
RS Enclosure: casters and levelers

- Easy access to levelers; isolation pad on levelers to minimize surface wear
- Caster base is movable and can leave gap with rear of frame to facilitate cabling and power
RS Enclosure: top panels

- Solid, with cableways (optional grommets) and brushes
- One-piece tops
- Install up or down; mates to rail in down configuration for air seal

Cable pass-thru top panel on network enclosure
RS Enclosure: seamless Eaton ePDU G3 integration

Easy install
1.) Open box
2.) Fasten ePDU mounting bracket
3.) Install ePDU

½ Height PDUs
- Additional tool-less brackets on the frame

Handles tall rack PDUs and large power connectors
- Clear top and bottom access

Multiple mounting options
- Can be mounted on either side in front or rear; behind rails on 800 mm
RS Enclosure: Eaton UPS integration

- Robust static weight loading (3000 lbs) to handle heavier UPS loading
- Easy-to-adjust rails for UPS installation
- Perfect companion for G3 1U and 2U, 9PX UPS 2 and 3 kVA
**RS Enclosure Pre-configured, application-specific options**

- **Server**
  - Two versions – with and without sides
  - Full range of sizes
  - Includes rails, networking top, doors, casters
  - Flush-mounted rails

- **Colocation**
  - Combo lock
  - Sizes: H 42U/48U, W 600 & 800, D 1100 & 1200 mm
  - Includes rails, networking top, doors, casters
  - Flush-mounted rails

- **Network**
  - Vertical cable managers in front & rear
  - Sizes: H 42U/45U/48U; W 600/800 mm; D 1100/1200 mm
  - Includes rails, networking top, doors, casters
RS Enclosure: server configuration

1. PDU mounting brackets
2. Networking top cover with rear open access
3. Split high-flow door on rear
4. Locking side panels
5. Casters
6. Full-front high-flow door
7. Rails
Flexible easy and fast configuration

Rails

Side covers

ePDU mounting

Lift-off doors

Lift-off doors

Flex tray mounting
Tool-less cable management

- Vertical cable management
- Flex tray
- Overhead troughs
- Cable management brackets
RS Enclosure: airflow management

- High-flow doors and maximized surface area
- Air dams
- Blanking panels
- Brushes, grommets, vertical blanking
RS Enclosure: security features

- Field changeable lock options:
  - Swing handle key lock
  - Swing handle combo lock
  - Swing handle HFID lock
- Side-to-side access options via cable pass through sides
- Sides come standard with locks
For more information

Eaton.com/RS