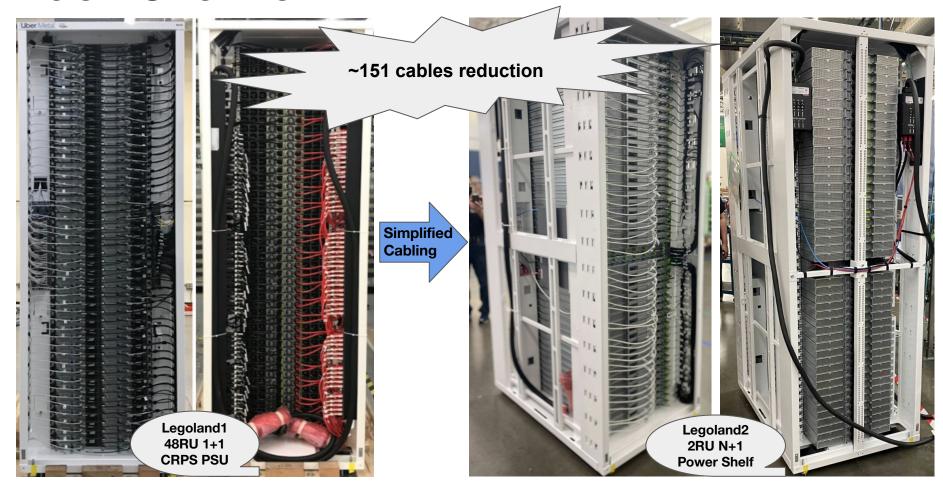
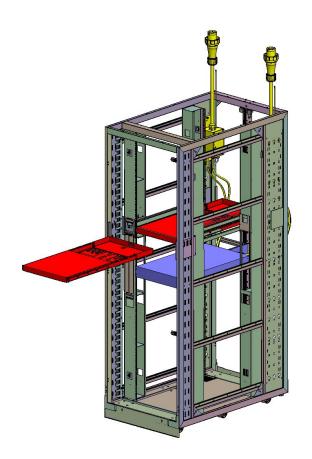


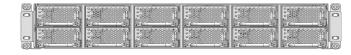
Rack Overview



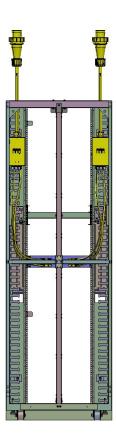
Defender Rack



- 48V busbar-rack
- 30kW power shelf
- 3kW 48V ATS-PSU
- SMC (Shelf Management Controlle
- 48V CDU

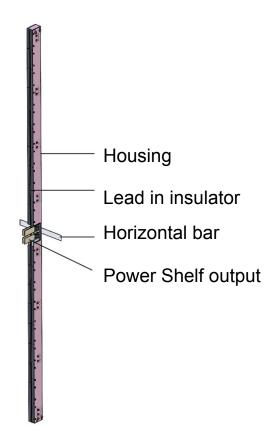






1. Busbar components

- OCP 48V V2 / V3 server clip compatible
- 620A current rating
- Silver / nickel plating



2. CDU

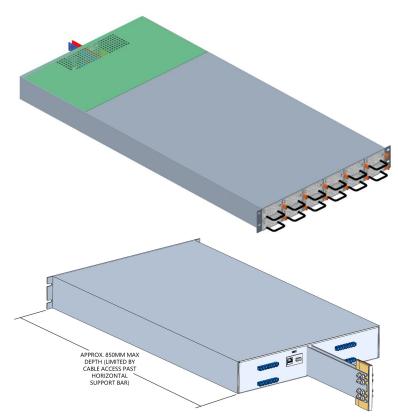
For Power Shelf:
 60A IEC60309 input plug
 2x 32A 7pin Positronic connector

For Switches:3x C13 outlets3x 20A CBs



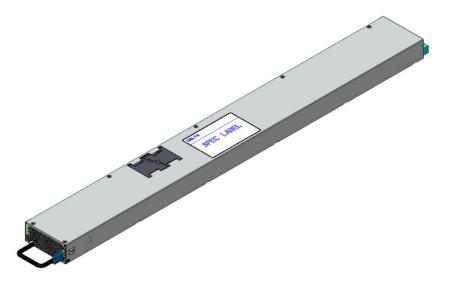
Defender 48V Power Shelf Spec

- Shelf depth (excludes output busbars): 2 RU
 EIA 19" x approx. 850 mm
- 30KW max 12 PSUs (11+1, 8+1, 5+1 and 2+1)
- Dual AC input, Wye or Delta
- 2x2 32A Positronics AC input connector
- Output busbars fastened with flange nuts to rack busbar

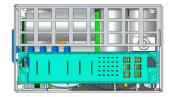


Defender Power Supply Spec

- 200-240V dual AC input
- Output: 3kW/48V (48.8V to 49.8V)
- Built-in auto transfer switch
- Efficiency >97% peak
- > 25mS ride-through time
- < 150% inrush current during transfer

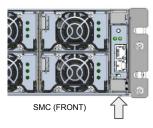


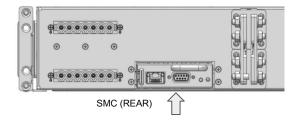




SMC (Shelf Management Controller)

- RJ45 10/100/1000 Mbps
- Redfish API
 - Metering
 - Status monitoring and event logging
 - Control
 - FW Upgrade
 - Proposed to DMTF as industry standard
- Debug port
 - Serial port
 - SSH
 - Default Static IP
- I2C to PSU
- Hot-pluggable





Thank You!