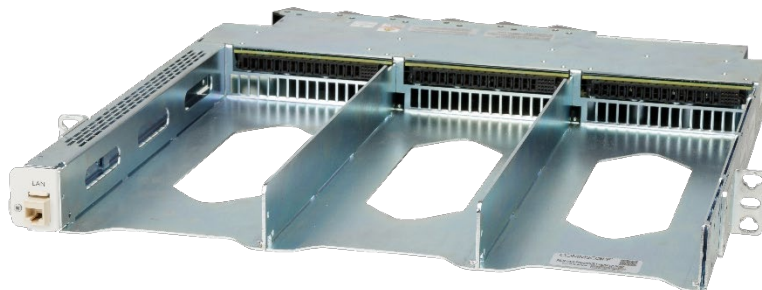


**TYPE: PS-R-V4-S PowerShift® Secondary Expansion Shelf**  
**Product Series: V4**



## 1. Key Features

- 2,708KW (73V) max power output per circuit at the module output
- 2,000KW (54V) max power output to the Radio per circuit
- 24,372KW total power capacity via 9 independent circuit outputs per shelf
- 18,000KW (54V) total power to the Radio per 9 circuit output
- 1RU form factor per shelf
- Expand Main Shelf (PS-R-V4-M) to 2RU shelf with total 48,744kW via 18 independent circuit
- 19-inch standard rack mounting
- Adjustable mounting ears with setbacks at Flush to front and 3 and 5" back from the front.
- Controller, with Capability to manage ALR and manual configuration for 18 circuits
- Module, Built-in Bypass & Selectable (32A/38A) Overcurrent Protection

## 2. Module

Module Model: PS-2000-73 Module (Sold Separately)



## 3. Physical Specs

Dimension:	Height: 44.45 mm (1 RU) Wide: 482.6 mm (19") Depth: Shelf, Connector with cable bend radius not to surpass 24"
Number of Supported RRU:	9 RRU (incl. RS485/Controller).
Number of Supported Expansion Shelf:	1 Maximum
Input Connection:	Rear access, 3 pairs input landings (1 pair per module), suggested 2/0 cable
Output Connection:	Rear access, 9 pairs outputs landings (3 pairs per module), suggested 6 AWG
Maximum Output Power:	24.372KW
Weight:	12.2lbs(5.5kg)

# PowerShift® PS-R-V4-S

Rev B 07/2025

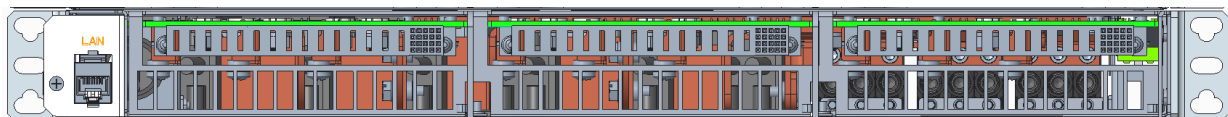
Environmental per GR-3108 Class 2, EN 300 019

Operating temperature	-40 to 65C (NEBS Class 2) with no derating.
Storage temperature	-40 to 85C
Humidity/Temp cycling	per GR-3108 section 4.6, non-condensing
Vibration, transport	GR-3108 section 6.3.3
Packaged drop	GR-3108 section 4.4
Vibration, product	GR-3108 section 6.1 and 6.3.3
Shock, operating	IEC 60068-2-27 (1)
Salt fog	Utilizes a clear Zinc per ASTM B633-07 TYPE 5, SC 2 post plate
Seismic resistance	GR-3108 section 6.1 + 6.3.3
Cold start	GR-3108 section 4.5.1
Hot start	GR-3108 section 4.5.2
Acoustics	GR-3108 section 6.6
Fire resistance	GR-3108 section 6.5

MTBF:	300,000 hours @ 25C per Telcordia SR-332
Design Life Expectancy:	5 year
EMC:	EN55022 Class A
Surge Protection :	Telcordia GR-1089
Safety:	UL 62368 - UR/cUR with CB Report
RoHS:	Compliant
Terminals:	Compliant w/NEBS
Labeling:	Dual Company Labeled

## 4. Product Layout

### 4.1. Secondary Expansion Shelf PS-R-V4-S



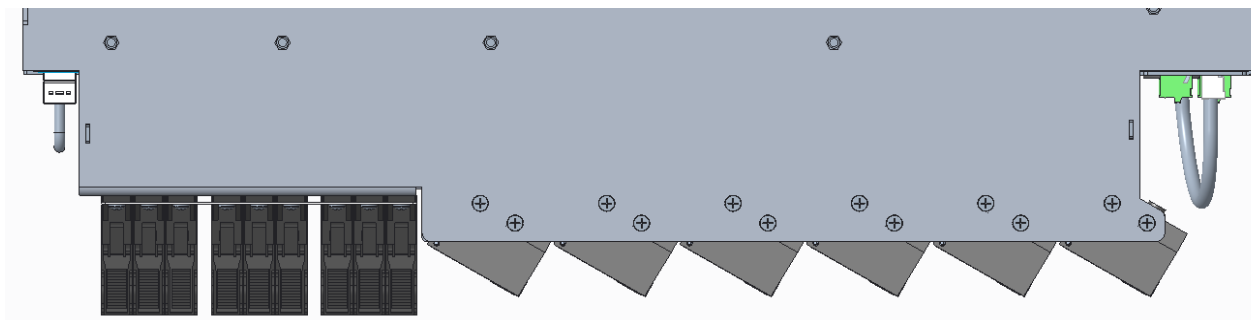
Front View - Secondary Shelf (No Modules)



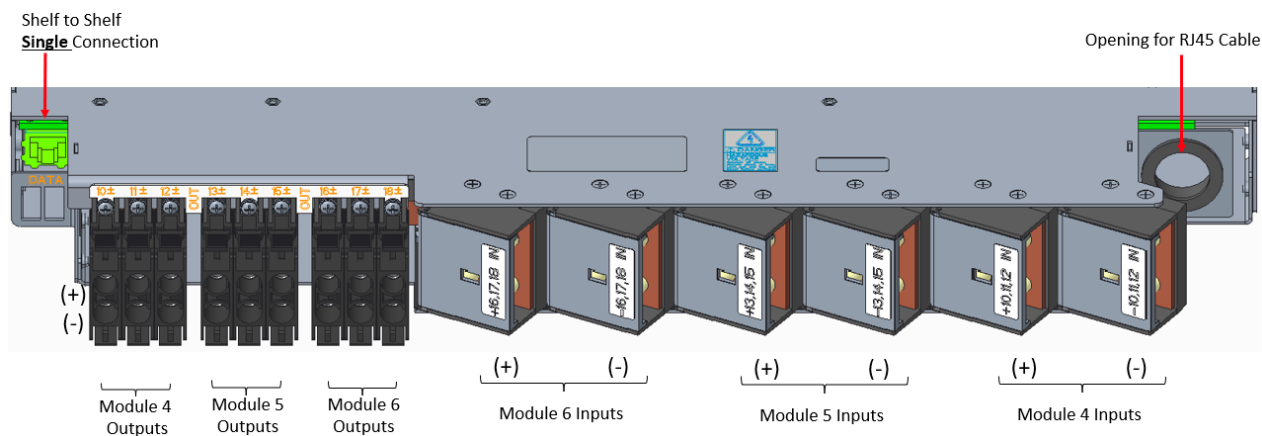
Front View - Secondary Shelf (with Modules)



### Rear View – Secondary Shelf

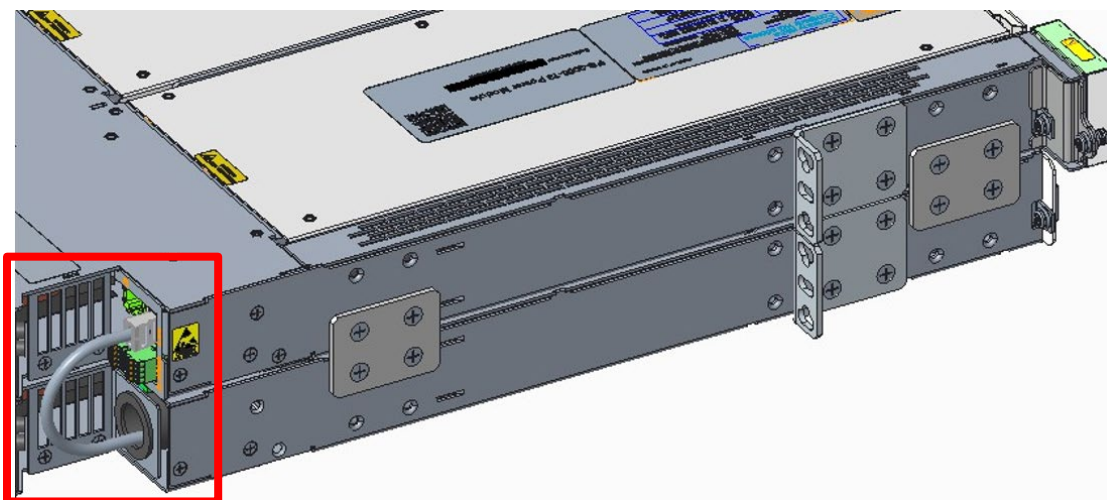


### Rear Top View – Secondary Shelf

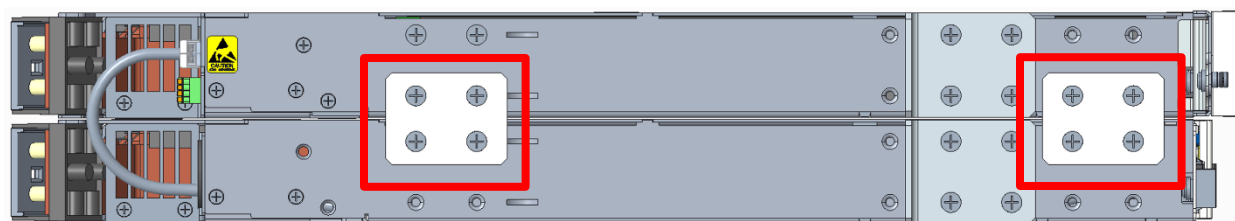


### Rear Isometric View – Secondary Shelf

## 4.2. Main Shelf (PS-R-V4-M) w/ Secondary Shelf (PS-R-V4-S)



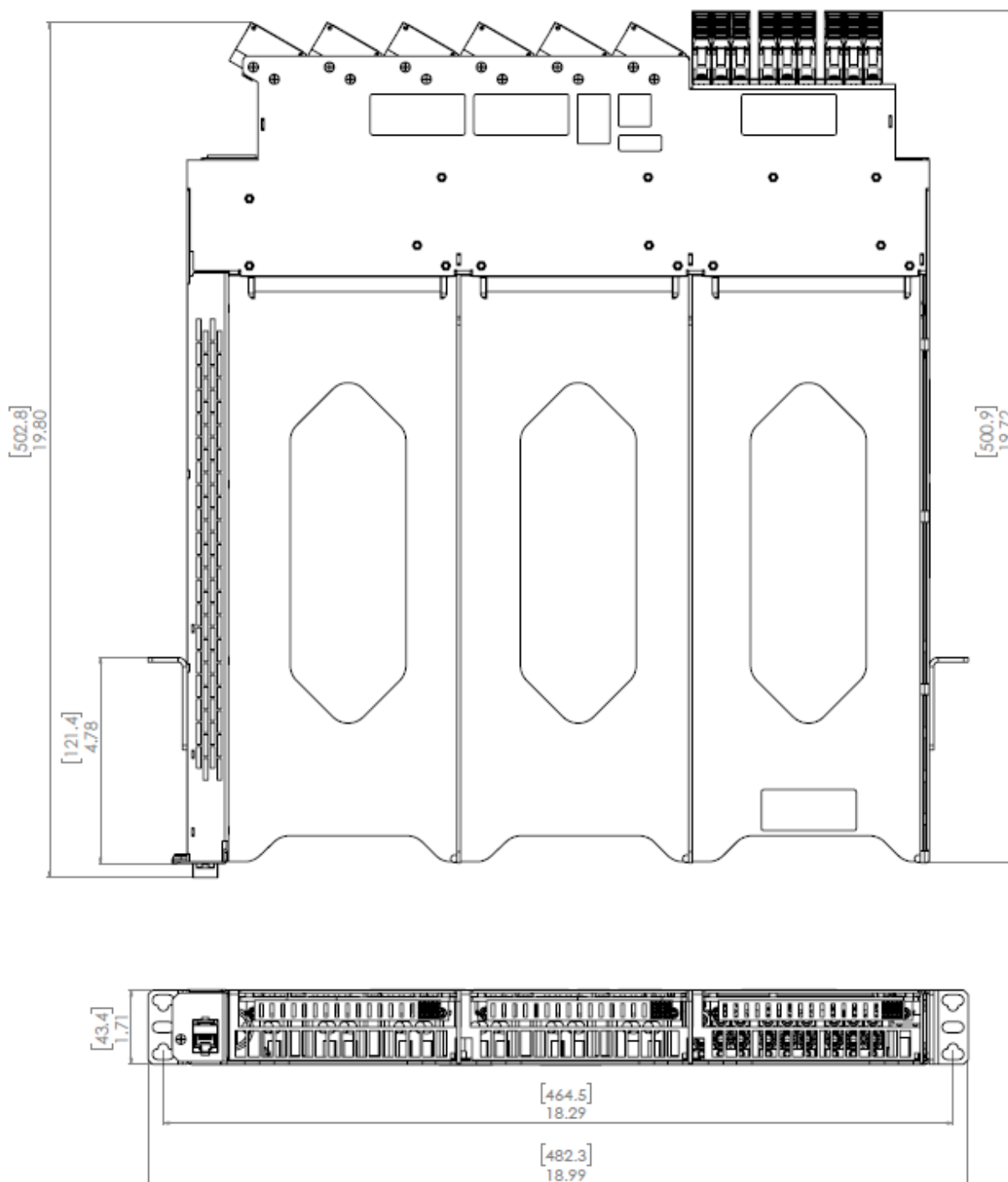
Rear Isometric View – LAN Connection used with Secondary Shelf  
(Main Shelf PS-R-V4-M Sold Separately)



Left Side

Left Side View – Connector plates used with Secondary Shelf  
(Main Shelf PS-R-V4-M Sold Separately)

## 5. Dimensional Specifications



Dimensional Specifications