

The 15kW power shelf is a 6-slot chassis that can be configured to accept either single phase input or three phase input, single source or dual sources. Output is ground-isolated 50Vdc 300A with floating power clip to allow quick connection to rack bus bar. PSU is 3kW rectifier capable of hot-insertion, active current sharing, PMBus communication over I2C.

Key Features

- Flexible AC input options:
 - Single phase or three-phase input (208/240/277Vac nominal)
 - Single input source or dual input sources
- 6 PSUs to be configured in N+1 or N+N depending on input options
- DC output is ground-isolated for flexible grounding at rack level.
- High efficiency 3kW PSU
- 10U, 21-inch width power shelf
- Floating output DC power clip for quick connection to rack bus bar
- Shelf Management Controller provides system communication capability for shelf remote control along with power monitoring. (Shelf Management Controller is not required for basic Power Shelf operation)



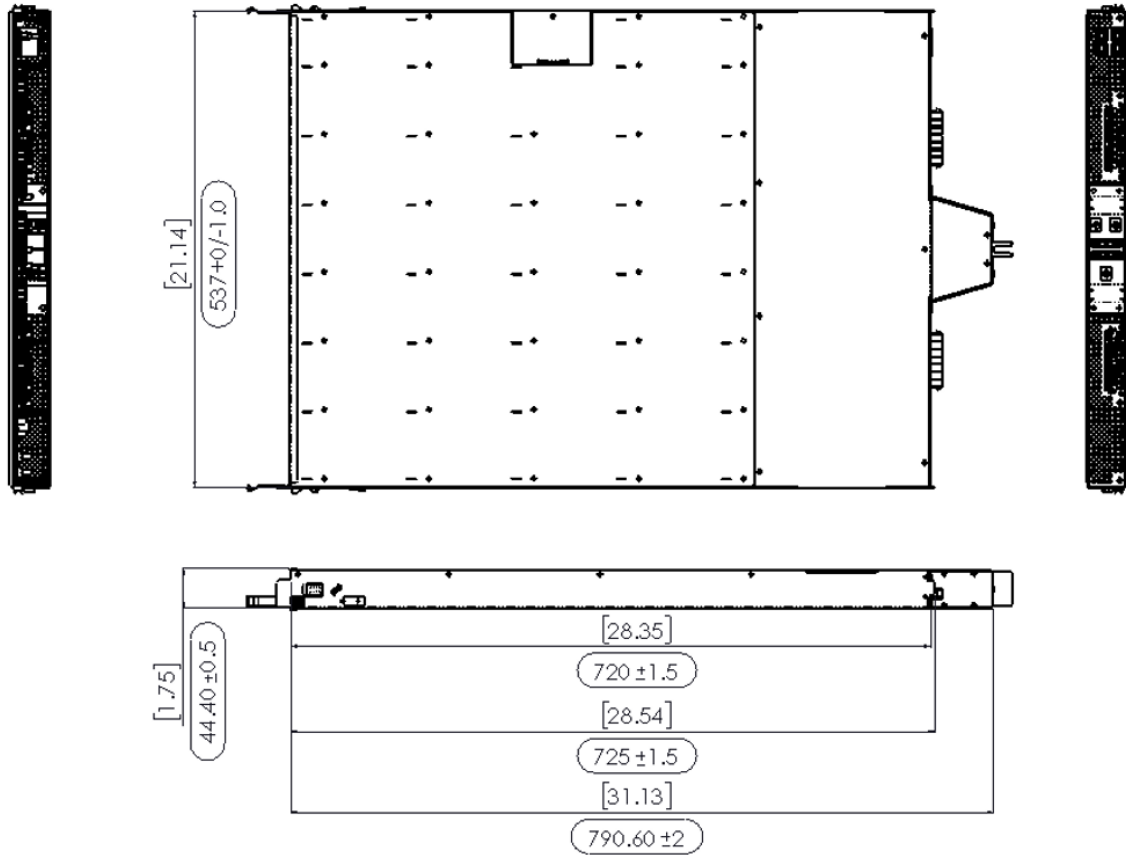
Specifications

Electrical	
Maximum Output Power	15kW
Input	208/240/277Vac (single or Wye/Delta three phase configuration)
Output	50Vdc/300A
Frequency	50Hz – 60Hz
Communications	PMBUS 1.2
EMI	EN55022, CISPR 22: Conducted Emission, Class A EN55022, CISPR 22: Radiated Emission, Class A
Physical	
Dimensions (H x W x D)	1.75" x 21.14" x 28.54" (44.4 mm x 537 mm x 725 mm)
Weight	34 lbs (15.4 kg) without PSUs
Form Factor	10U, 21" Rack Mount
Environment	
Temperature	Operating: 0°C – +45°C, Storage: -40°C – +70°C
Humidity	10% – 90% relative (non-condensing)
Altitude	Operating: 0 – 10,000ft
Acoustic	90.5dB at 1 m
General	
Safety	UL62368-1, IEC62368-1 International, GB4943, RoHS
Mounting Hardware	2 mounting brackets and 12 screws (included)
Warranty	3 Years

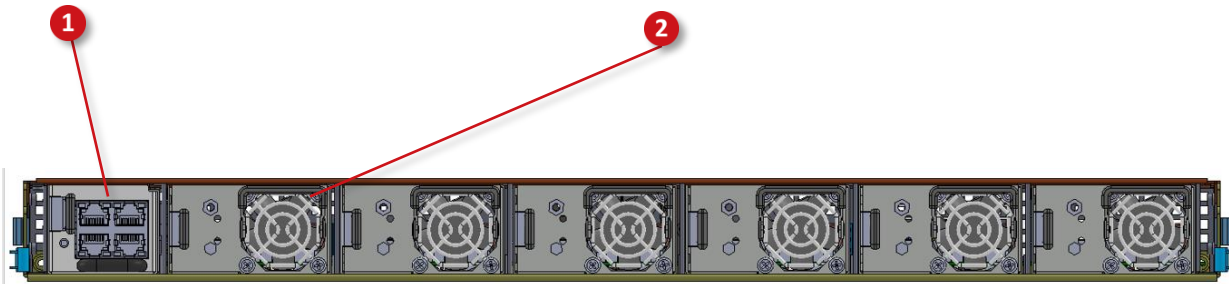
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Mechanical



Front Panel



1	Shelf Management Controller Port	Optional Shelf Management Controller to enable communication between PSUs and Data Center Manager
2	Power Supply Units	Single phase 208V to 277V Input / 50V, 60A Output