

AFS2400 and AFS4800

Rack Mountable Power Shelves

- Front-end shelves for AFE1200 series power supplies
- Distributed power architecture
- UL and TUV approval
- Hot-swap power system
- N+1 redundancy



The AFS2400 and AFS4800 power shelves are designed to house Artesyn standard AFE1200 series front-end power supplies. The shelves mount into standard 19 inch racks. The power shelves accept full range (85 to 264VAC) AC power and deliver a regulated DC bus voltage generated from the AFE1200 power supplies. The power shelf provides input filtering and protection, and individual 20 Amp circuit breakers for each AFE1200 power supply are provided on the front end of the shelf. An output bus bar on the rear of the unit is provided for distribution of the main output to system payload. Control, diagnostic and protection signals and the auxiliary output from AFE1200 power supplies are routed through the power shelf to a parallel interface connector on the rear of the unit. Clearance is provided on the rear of the unit to maintain adequate airflow and cooling of the AFE1200 power supplies mounted within the shelf.

[2 YEAR WARRANTY]



POWER SHELF	MAIN OUTPUT POWER	N+1 REDUNDANT POWER	HEIGHT	AFE1200 POWER SUPPLIES	SIGNAL INTERFACE
AFS2400-2U2P	2400W	1200W	2U (3.5 inch)	2	Parallel via 25 pin D type connector
AFS4800-4U4P	4800W	3600W	4U (7.0 inch)	4	Parallel via 37 pin D type connector

AFS Power Shelf Characteristics

POWER MODULE		
POWER SHELF	AFE1200-96S48NA	AFE1200-96S24NA
AFS2400-2U2P	48V @ 50A	24V @ 100A 12V @ 2A
AFS4800-4U4P	48V @ 100A	24V @ 200A 12V @ 4A

AFE1200 Output Configurations with AFS Power Shelves

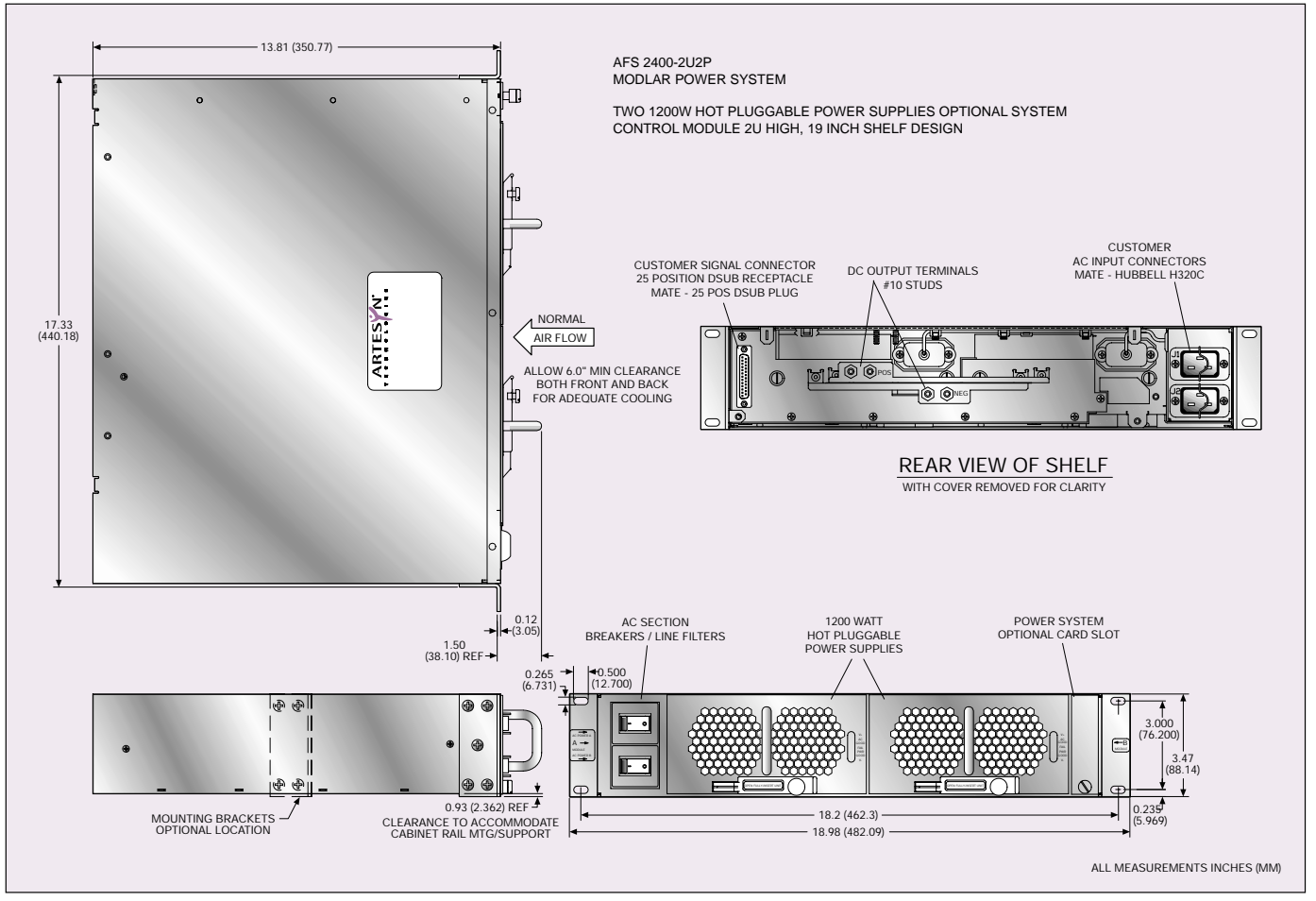
Nominal Input Voltage	Line Current (Typical)
85VAC	17.5A rms
120VAC	12.1A rms
220VAC	6.5A rms
240VAC	6.0A rms

AC Input Line Cord Current
(for each AFE1200 module within power shelf)

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Mechanical Notes for AFS2400-2U2P Interface Drawing

1 All dimensions in inches (mm).



International Safety Standard Approvals

AFS4800-4U4P safety approval is pending



EN60950/IEC950 File No. E9972397



UL1950 File No. E135734

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1 All dimensions in inches (mm).

