

ADF

P300, 90 – 330 A
UL/cUL Version
Active Dynamic Filter



- High Performance and Reliability
- Modular and Scalable Design 90 – 330 A
- Advanced Digital Control
- Easy Installation
- Insensitive to Network Conditions
- Harmonic Elimination
- Total Power Factor Correction
- Active Load Balancing
- Dynamic VAR compensation
- Non-overloadable
- Available in 208 – 480 V and 480 – 600 V versions



COMSYS
Creating Value through Power Quality™

Technical Specifications

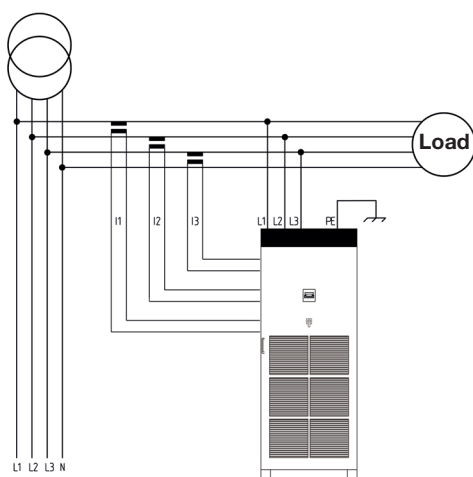
Model	ADF P300-110/480-UL (ADF P300-90/600-UL)	ADF P300-220/480-UL (ADF P300-180/600-UL)	ADF P300-330/480-UL (ADF P300-270/600-UL)
Rated power *	76 / 91 / 94 kVA	152 / 183 / 187 kVA	229 / 274 / 281 kVA
Compensation current capacity at 50/60 Hz	110 A _{RMS} (90 A _{RMS})	220 A _{RMS} (180 A _{RMS})	330 A _{RMS} (270 A _{RMS})
System voltage **	480 V (208 – 480 V), 600 V (480 – 600 V)		
Nominal frequency **	50/60 Hz ± 2 %		
Number of phases	3 phase 3 wire		
Connection type	3 phase without neutral (TN, TT, IT)		
Harmonic current compensated	individual compensation up to 49 th order		
Rate of harmonic reduction	better than 98 %		
Current compensation of cos φ	up to 1.0		
Expandability	ADF P300 units can be used in parallel		
Response time	< 1 ms		
Power dissipation 480 V (600 V)	< 2480 W (< 2836 W)	< 4835 W (< 5547 W)	< 7190 W (< 8258 W)
Maximum air flow requirement	600 m ³ /h	1200 m ³ /h	1800 m ³ /h
Noise level	< 70 dB(A)		
Environment	0 to 95 % RH non-condensing, max altitude 1000 m		
Operating temperature	0 to 50 °C, up to 40 °C without derating		
Dimensions	800 x 2155 x 610 mm (W x H x D)		
Weight 480 V (600 V)	335 kg (351 kg)	472 kg (495 kg)	609 kg (639 kg)
Cabinet color	cabinet RAL 7035 (gray), base RAL 7022 (dark gray)		
Protection class	NEMA 1		
Environmental conditions	chemical 3C3, mechanical 3S3		
Electromagnetic compatibility	EN 61000-6-2, EN 61000-6-4		
Certificates	UL, cUL		
Art no 480 V (600 V)	400 083 (400 086)	400 084 (400 087)	400 085 (400 088)

* Compensation power at 400 V / 480 V / 600 V nominal voltage

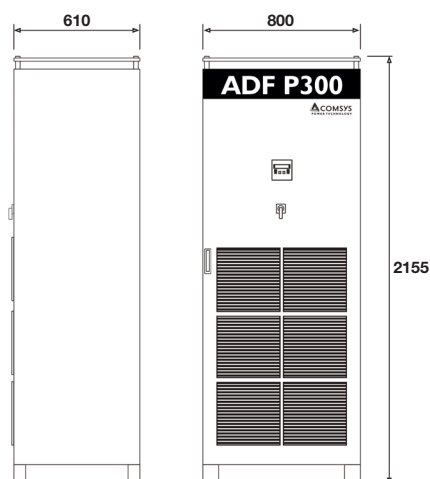
** Please state your system voltage and line frequency when ordering



Connection Diagram (example)



Dimensions (mm)



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