

ADF

P300N, 100 A Active Dynamic Filter



- High Performance and Reliability
- Modular and Scalable Design
- 100 A Harmonic compensation
- 300 A Neutral compensation
- 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



COMSYS
Creating Value through Power Quality™

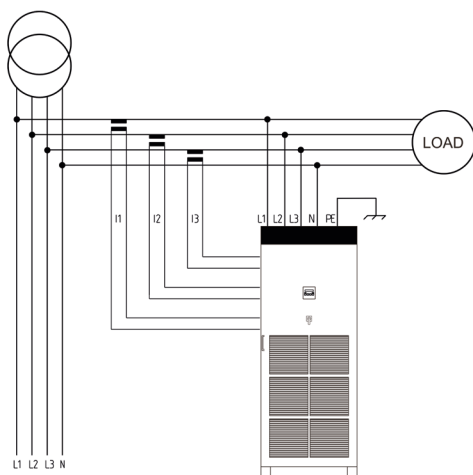
Technical Specifications

Model	ADF P300N-100/480
Rated power *	70 / 84 kVA
Compensation current capacity at 50/60 Hz	100 A _{RMS}
Compensation current capacity at 50/60 Hz, Neutral	300 A _{RMS}
System voltage **	208 – 480 V
Nominal frequency **	50/60 Hz ± 2 %
Number of phases	3 phase with Neutral
Connection type	3 phase with neutral (TN, TT, IT)
Harmonic current compensated	individual compensation up to 49 th order 19 th order in Neutral
Rate of harmonic reduction	better than 98 %
Current compensation of cos φ	up to 1.0
Expandability	ADF P300N units can be used in parallel
Response time	< 1 ms
Power dissipation	< 3800 W
Maximum air flow requirement	1200 m ³ /h
Noise level	< 60 dB
Environment	0 to 95 % RH non-condensing, max altitude 1000 m
Operating temperature	0 to 40 °C, < 25 °C recommended
Dimensions	800 x 2155 x 610 mm (W x H x D)
Weight	430 kg
Cabinet color	cabinet RAL 7035 (gray), base RAL 7022 (dark gray)
Protection class	IP20 according to IEC 529
Environmental conditions	chemical 3C3, mechanical 3S3
Electromagnetic compatibility	EN 61000-6-2, EN 61000-6-4
Certificates	CE
Art no	400 051-CE, 400 051-NA, 400 051-AM

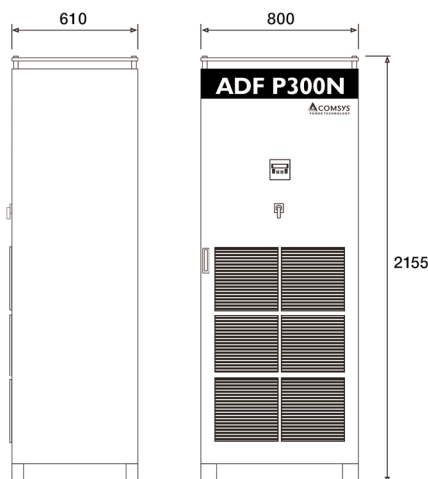
* Compensation power at 400 V / 480 V nominal voltage

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

Connection Diagram (example)



Dimensions (in mm)



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