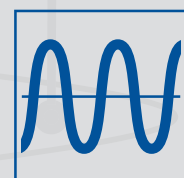


# ADF

## PPM300, 90 – 120 A Active Dynamic Filter Power Processor Modules



- High Performance and Reliability
- Narrow and tall design saves space
- Easy to integrate
- Simple installation
- Insensitive to Network Conditions
- Suitable for:
  - Harmonic Elimination
  - Total Power Factor Correction
  - Active Load Balancing
  - Dynamic VAR compensation
- Non-overloadable
- Available in 208 – 480 V, 480 – 690 V (IEC)
- Available in 208 – 480 V, 480 – 600 V (UL)



ADF  
Power  
Tuning

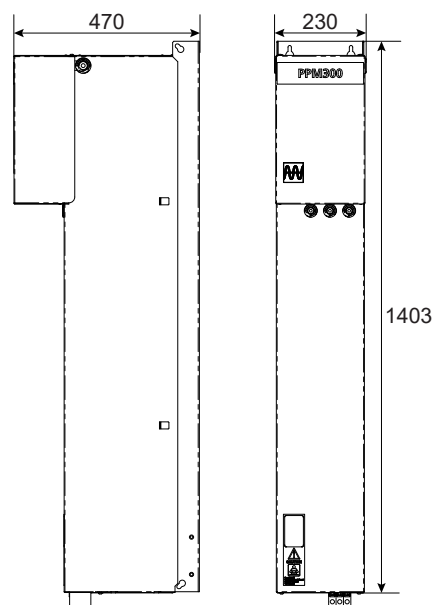
# Technical Specifications

| Model                                     | PPM300v2-3-A-120/480<br>PPM300v2-3-A-110/480-UL  | PPM300v2-3-A-90/690<br>PPM300v2-3-A-90/600-UL |
|---|--|---|
| Compensation current capacity at 50/60 Hz | 120 A <sub>RMS</sub><br>110 A <sub>RMS</sub> (UL)  | 90 A <sub>RMS</sub>                           |
| System voltage (± 10 %)                   | 480 V (208 – 480 V)  | 690 V (480 – 690 V)<br>600 V (480 – 600 V)    |
| Nominal frequency                         | 50/60 Hz ± 5 %   |   |
| Number of phases                          | 3 phase 3 wire   |   |
| Connection type                           | 3 phase without neutral (TN, TT, IT*)  |   |
| Harmonic current compensated              | individual compensation up to 49 <sup>th</sup> order   |   |
| Rate of harmonic reduction                | better than 98 %   |   |
| Current compensation of cos φ             | up to 1.0  |   |
| Expandability                             | Up to 3 modules can be controlled by one SCC2-P3<br>Up to 6 modules can be controlled by one SCC2-P6<br>Cluster of up to 15 SCC2 units can work in parallel for up to 90 PPM modules |   |
| Switching frequency                       | 7.2 kHz  |   |
| Power dissipation                         | < 2725 W   | < 2969 W                                      |
| Maximum air flow requirement              | 600 m <sup>3</sup> /h  |   |
| Noise level                               | < 70 dB(A)   |   |
| Environment                               | 0 to 95 % RH non-condensing, max altitude 1000 m without derating  |   |
| Operating temperature                     | 0 to 50 °C, up to 40 °C without derating   |   |
| Dimensions                                | 230 x 1400 x 470 mm (W x H x D)  |   |
| Weight                                    | 133 kg   | 138 kg  |
| Enclosure color                           | RAL 7035 (light grey) RAL 5017 (traffic blue)  |   |
| Protection class                          | IP20 according to IEC 529  |   |
| Electromagnetic compatibility             | EN55011, Class B   |   |
| Certificates                              | CE, UL508/GSA22.2 (UL version only), DNV GL (GE version only)  |   |

\* Option

The ADF PPM300 line allows OEM's and system integrators to provide active filtering within their application. The PPM300 line of inverter modules are suitable for mounting in MCCs, switchgear rooms, switchgear equipment, power houses and in dedicated standalone cabinets. ADF PPM300 modules can solve a wide range of power quality problems, including harmonics, reactive power (capacitive and inductive), as well as flicker and load unbalance.

## Dimensions (mm)



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