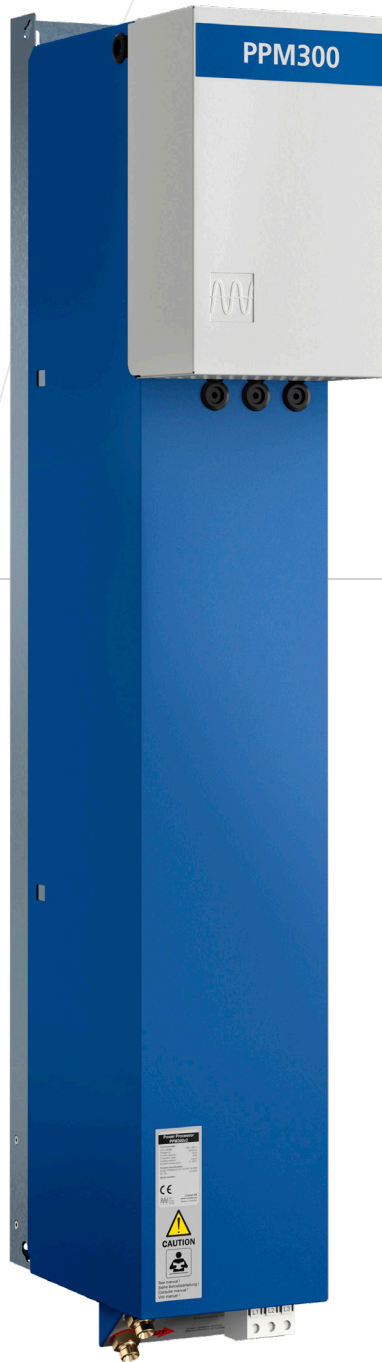
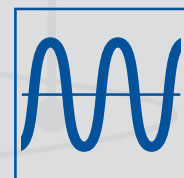


# ADF

## PPM300 (liquid cooled), 140 – 150 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
- Liquid cooled
- Suitable for:
  - Harmonic Elimination
  - Total Power Factor Correction
  - Active Load Balancing
  - Dynamic VAR compensation
- Non-overloadable
- Available in 208 – 480 V, 480 – 690 V



ADF  
Power  
Tuning

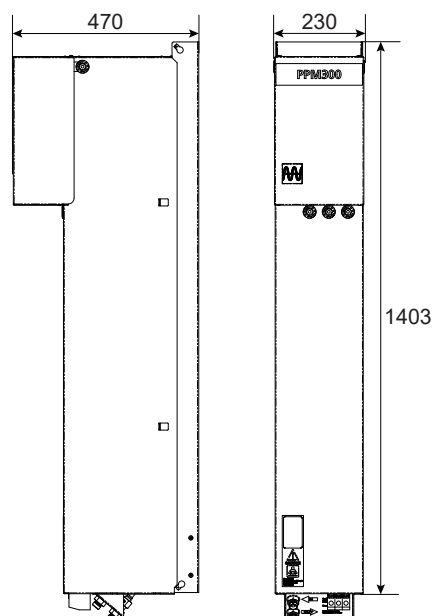
# Technical Specifications

Model	PPM300v2-3-W-150/480	PPM300v2-3-W-140/690
Compensation current capacity at 50/60 Hz	150 A <sub>RMS</sub>	140 A <sub>RMS</sub>
System voltage (± 10 %)	480 V (208 – 480 V)	690 V (480 – 690 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 Up to 6 modules can be controlled by one SCC2-P6 Cluster of up to 15 SCC2 units can work in parallel for up to 90 PPM modules	
Switching frequency	7.2 kHz	
Power dissipation	< 2550 W	< 3600 W
Water flow requirement	ΔP = 100 kPa at 14 l/min ΔP = 60 kPa at 10 l/min recommended media flow = 10 l/min	
Noise level	< 70 dB(A)	
Environment	0 to 95 % RH non-condensing	
Operating temperature	0 to 50 °C ambient and up to 45 °C cooling medium	
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, DNV GL	

\* 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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