ADF

SCC2
Active Dynamic Filter
Controller for 1-6 PPM modules

- High measuring accuracy

- Advanced Digital Control

- Easy configuration

- Update via Web Interface

- High speed error logging

- Suitable for:
  - Harmonic Elimination
  - Total Power Factor Correction
  - Active Load Balancing
  - Dynamic VAR compensation
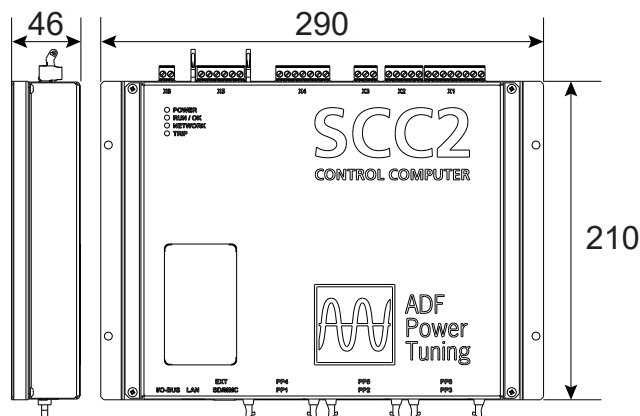
- Sensorless operation

- Controls 1-6 PPM's

ADF
Power
Tuning

Technical Specifications

Model	SCC2-P3 OEM	SCC2-P6 OEM
Controlled power module	PPM300	
Number of power modules	up to 3	up to 6 (two banks of three)
Voltage Measurement	3 x Phase + neutral or PEN – N /PEN must be removed for IT-Grid	
	< 690 V_{AC}, +10 %	
Current measurement	5 A, 3 phases (< 0.2 VA)	
Auxiliary voltage	24 V_{DC}	
Current consumption	< 1 A (additionally 0.5 A for every PPM300)	
Dimensions	290 x 210 x 46 mm (incl. sockets) (W x D x H)	
Case	Aluzinc base, Aluzinc cover	
External connections	3 x Flat cables to PPM module	6 x Flat cables to PPM module
	1 x Network connection RJ45 - Modbus, webinterface	
	1 x Multi-Master (special connector - HDMI)	
	2 x I/O-Bus (USB connector) for HMI, Temp Stick	
	4 x Digital input (24 V_{DC}) - of which 3 are configurable	
	4 x Digital outputs (250 V_{AC} / 5 A) - of which is 1 configurable	
	1 x SD-Card for storage of logging data	
Operating temperature	0 to 55 °C	
Environment	0 to 95 % RH non-condensing	
Protection class	IP00 according to IEC 529	
Expandability	Cluster with up to 15 SCC2 via Multi-master connection	
	up to 45 PPM300 units	up to 90 PPM300 units

The SCC2 control computer is a stand-alone digital processing system containing all functions for controlling the power processor modules. It also features protection circuitry for monitoring and main contactor control.

It allows OEM's and system integrators to provide active filtering within their application in combination with the ADF PPM300. 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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