

Merus A2-series Active Harmonic Filters

MODEL	A2-50	A2-100	A2-150	A2-200
Rating of individual units	50 A	100 A	150 A	200 A
Nominal voltage	200V – 480V (Auto voltage sensing)			
Harmonic performance	up to 50th harmonic – compliance with IEEE 519 and G5/4t			
Rated frequency	50Hz or 60Hz (Auto frequency sensing)			
Operating modes	All harmonics/All harmonics but not fundamental/Selective harmonics			
Response time	< 100 microseconds / 1 cycle (selective mode)			
Parallel units	Unlimited scalability, parallel operation of any rating combinations up to 7 units per one HMI is possible			
Switching frequency	20kHz			
Controller	Real time digital control with FFT			
Load balancing capacity	100% * IN of active filter			
Neutral wire current	150A	300A	450A	600A
3-Wire/4-Wire	3W & 4W	3W & 4W	3W & 4W	3W & 4W
Human-machine interface (HMI)	7" easy to use touch screen interface			
HMI languages	8 languages including English-German-Spanish-Chinese-Russian. Others on request.			
Monitoring	On-site and remote monitoring possibilities			
Reporting	Reports data of power quality events from the last 30 days.			
Communication	Ethernet, ModBus (TCP)			
Cooling media	Air			
Protection degree	IP 20 (for the module), (Up to IP54 depending on the enclosure)			
Ambient temperature	40°C, without derating			
Humidity	For operation maximum 85% RH; non-condensing. For storage & transportation (95%)			
Power losses	< 2,3 %			
Dimension	225x520x850	225x520x850	225x520x1200	225x520x1200
Weight	63 kg	70 kg	90 kg	95 kg
Cable entry	Top or Bottom	Top or Bottom	Top or Bottom	Top or Bottom
Noise	60 dB	64 dB	66 dB	67 dB
Current transformers	3 pieces, secondary 5A or 1A, class 1 or better			

*300 mm free space below and above required for air ventilation.