

# Merus Uninterrupted Power Quality (UPQ)

POWER OUTPUT	35 kVA – 3 MVA	500 kVA – 10 MVA	1 MVA – 30 MVA
Nominal voltage	200 V – 480 V	480 V – 1000 V	Medium voltage
Nominal frequency	50 / 60 Hz		
Protection degree	IP21		
Operating modes	Power protection / Power quality		
Response time	< 100 microseconds (harmonic compensation)		
Switching time to power protection mode	Less than half a network cycle		
Human-machine interface (HMI)	3,5" easy to use touch screen interface		
HMI languages	8 languages including English / German / Spanish / Chinese / Russian (other languages on request).		
Monitoring	On-site and remote monitoring possibilities		
Reporting	Reports data of power quality events up to previous one month		
Communication	Ethernet / RS485, ModBus		
Cooling media	Air	Air/Liquid	Air/Liquid
Ambient temperature	40°C, without derating		
Humidity	Maximum 95% RH; non-condensing		
Dimension	Depends on configuration. Details upon request.		
Weight	Depends on configuration. Details upon request.		
Power losses	1 % (typical)		
Modularity	Total modularity of power conversion units and energy storage medium.		
Noise level	<< 68 dB		
Energy storage media	Supercapacitors, Lithium-ion/Lead-acid batteries.		