

# Merus SVC

MODEL	Merus SVC-6	Merus SVC-10	Merus SVC-20	Merus SVC-30
Nominal voltage	6.3 kV ±10 %	10.5 kV ±10 %	22.0 kV ±10 %	33.0 kV ±10 %
Nominal current up to	2300 A			
Nominal frequency	50 / 60Hz			
Nominal reactive power	45 Mvar	60 Mvar	150 Mvar	250 Mvar
Thyristor valve topology	Multilevel			
Redundancy	10 %			
Response time	10 ms (typically in open-loop)			
Controller	Digital controller			
Operation modes	Reactive power, flicker and voltage			
Human-machine interface (HMI)	19" touch screen, power quality monitoring and reporting functions			
HMI languages	English / German / Spanish / Chinese / Russian (other languages on request)			
Monitoring	On-site and remote monitoring possibilities			
Communication	Ethernet / RS485, ModBus			
Cooling media	De-ionized liquid, raw water Tmax +35 °C			
Protection degree				
Container for Indoor equipment	IP54			
Outdoor equipment	IP00 (fenced area)			
Standards	IEC			
Altitude	1000 m without derating			
Humidity	Maximum 95 % RH, non-condensing			