

Merus STATCOM

| MODEL | M1000 | M2000 |
|-----------------------------------|--|---|
| Rating of individual units | 820A | 580A |
| Nominal voltage | 960V ±10% | 2000V ±10% |
| Harmonic performance | up to 17th harmonic – compliance with IEEE 519 and G5/4 | up to 17th harmonic – compliance with IEEE 519 and G5/4 |
| Rated frequency | 50Hz or 60Hz | |
| Operating modes | All harmonics/All harmonics but not fundamental/Selective harmonics | |
| Response time | << 1 ms / 1 cycle (selective mode) | |
| Switching frequency | 4kHz | 3kHz |
| Controller | Real time digital control with FFT | |
| Balancing capacity | 100% * IN of active filter | |
| Neutral wire current | Not available | |
| 3-Wire/4-Wire | 3W | 3W |
| Human-machine interface (HMI) | 3,5" 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 up to previous one month | |
| Communication | Ethernet / RS485, ModBus | |
| Cooling media | Liquid | Liquid |
| Protection degree | IP 21, IP 34 as an option | |
| Ambient temperature | 40°C, without derating | |
| Humidity | Maximum 95% RH; non-condensing | |
| Power losses | < 2.3 % | < 2.3% |
| Current transformers | 3 pieces, secondary 5A or 1A, class 0,5 or better | |
| Weight | 2180 kg | 2750 kg |
| Cable entry | Bottom | Bottom |
| Noise | 76dB | 78dB |
| Dimension | 2150 x 1050 x 2460 | 2150 x 1050 x 2460 |