



# SIRIUS ADVANCE 1000-15

|                                |                  |
|--------------------------------|------------------|
| <b>Type</b>                    | 1000-15          |
| <b>System</b>                  | Three-phase      |
| <b>Input voltage variation</b> | ±15 %            |
| <b>Rated power</b>             | 1000 kVA         |
| <b>Input voltage range</b>     | 340-460 V        |
| <b>Max input current</b>       | 1698 A           |
| <b>Output voltage</b>          | 400 V            |
| <b>Rated output current</b>    | 1443 A           |
| <b>Efficiency</b>              | >98 %            |
| <b>Compensation Duration</b>   | Continuous       |
| <b>Adjustment speed</b>        | 24 ms/V          |
| <b>Dimensions WxDxH</b>        | 4800x1000x2100mm |
| <b>Weight</b>                  | 2950 kg          |



*This image is indicative only.*

## Standard features

|   |  |
|---|--|
| <b>Voltage stabilisation</b>            | Independent phase control  |
| <b>Selectable output voltage</b>        | from 210V to 255V (L-N) / from 360V to 440V (L-L)  |
| <b>Frequency</b>                        | 50Hz ±5% or 60Hz ±5%   |
| <b>Output voltage accuracy</b>          | ±0,5%  |
| <b>Admitted load variation</b>          | Up to 100%   |
| <b>Admitted load imbalance</b>          | 100 %  |
| <b>Cooling</b>                          | Natural ventilation (from 35°C aided with fans)  |
| <b>Ambient temperature</b>              | -25/+45°C  |
| <b>Storage temperature</b>              | -25/+60°C  |
| <b>Max relative humidity</b>            | <95% (non condensing)  |
| <b>Admitted overload</b>                | 200% 2min.   |
| <b>Harmonic distortion</b>              | None introduced  |
| <b>Colour</b>                           | RAL 7035   |
| <b>Protection degree</b>                | IP 21  |
| <b>Instrumentation</b>                  | 10" touch panel (multilingual) remotely available via VNC<br>Reactive power regulator  |
| <b>Installation</b>                     | Indoor   |
| <b>Communication system</b>             | Ethernet / USB / MODBUS / Ortea XCloud   |
| <b>Overvoltage protection</b>           | Class I input surge arrestors<br>Class II output surge arrestors<br>Optimal voltage return through supercapacitors in case of black-out  |
| <b>By-pass and total protection kit</b> | Input automatic circuit breaker<br>By-pass switch made of an interlocked automatic circuit breaker<br>Output interlocked motorized automatic circuit breaker with protection against overload, overvoltage, undervoltage, phase sequence error and phase failure |
| <b>Integrated PFC automatic systems</b> | Based on high-energy density metallized polypropylene three-phase capacitors Un = 525V<br>Three-phase blocking reactor (tuning frequency 180Hz)  |

## Optional Accessories

|   |            |
|---|------------|
| <b>Input three-phase isolation transformer DZNO</b> | DZNO 1806A |
|---|------------|



EMI/RFI filters

FL 1600