



# SIRIUS ADVANCE 160-20

|                         |                 |
|-------------------------|-----------------|
| Type                    | 160-20          |
| System                  | Three-phase     |
| Input voltage variation | ±20 %           |
| Rated power             | 160 kVA         |
| Input voltage range     | 320-480 V       |
| Max input current       | 289 A           |
| Output voltage          | 400 V           |
| Rated output current    | 231 A           |
| Efficiency              | >98 %           |
| Compensation Duration   | Continuous      |
| Adjustment speed        | 15 ms/V         |
| Dimensions WxDxH        | 2200x800x1800mm |
| Weight                  | 970 kg          |



*This image is indicative only.*

## Standard features

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

## Optional Accessories

|                                              |           |
|----------------------------------------------|-----------|
| Input three-phase isolation transformer DZN0 | DZN0 289A |
|----------------------------------------------|-----------|



|                 |        |
|-----------------|--------|
| EMI/RFI filters | FL 300 |
|-----------------|--------|