



# SIRIUS ADVANCE 100-20

<b>Type</b>	100-20
<b>System</b>	Three-phase
<b>Input voltage variation</b>	±20 %
<b>Rated power</b>	100 kVA
<b>Input voltage range</b>	320-480 V
<b>Max input current</b>	180 A
<b>Output voltage</b>	400 V
<b>Rated output current</b>	144 A
<b>Efficiency</b>	>98 %
<b>Compensation Duration</b>	Continuous
<b>Adjustment speed</b>	15 ms/V
<b>Dimensions WxDxH</b>	1600x800x1800mm
<b>Weight</b>	830 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 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 Class II output surge arrestors Optimal voltage return through supercapacitors in case of black-out
<b>By-pass and total protection kit</b>	Input automatic circuit breaker By-pass switch made of an interlocked automatic circuit breaker 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 Three-phase blocking reactor (tuning frequency 180Hz)

## Optional Accessories

<b>Input three-phase isolation transformer DZNO</b>	DZNO 180A
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EMI/RFI filters

FL 150