



# ORION PLUS 160-15/45

Type	160-15/45
Input voltage variation	+15/-45 %
Rated power	160 kVA
Input voltage range	220-460 V
Max input current	420 A
Output voltage	400 V
Rated output current	231 A
Efficiency	>98 %
Adjustment speed	10 ms/V
Dimensions WxDxH	1200x800x1800mm
Weight	1200 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 $\pm$ 5% or 60Hz $\pm$ 5%
Output voltage accuracy	$\pm$ 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	Input & Output digital multimeter
Installation	Indoor
Overvoltage protection	Class II output surge arrestors Optimal voltage return through supercapacitors in case of black-out

## Optional Standard Accessories

Interrupting devices ABB / SCHNEIDER - INPUT	DI ABB / SCHNEIDER 500 - INPUT
Interrupting devices ABB / SCHNEIDER - OUTPUT	DI ABB / SCHNEIDER 250 - OUTPUT
Load protection against over/undervoltage ABB / SCHNEIDER	PS ABB / SCHNEIDER 250
Disconnecter and changeover switch ABB	D-IC ABB 500
Automatic circuit breaker and changeover switch ABB	IA-CA ABB 500
Total protection kit ABB / SCHNEIDER	kit ABB / SCHNEIDER 500
Input three-phase isolation transformer DZNO	DZNO 462



<b>SPD Surge arrestors ORTEA</b>	SPD ORTEA INPUT CLASS I 25/4
<b>Integrated PFC automatic systems from 80kVA to 320kVA</b>	PFC 80-320 160
<b>EMI/RFI filters</b>	FL 300