

3 TECHNICAL SPECIFICATIONS

3.1 Electrical specifications

Output voltage:	From 0 to 3 kV
Output current:	From 0 to 2 A
Polarity:	Positive (prior to Earth)
Mains voltage:	480 Vac \pm 10 % 3ph + Earth

Any damage resulting from an electrical network which does not respect these specifications will not be supported by the warranty.

Input power:	6.68 kW (maximum input RMS current 9.5 A RMS)
Efficiency (full load):	90 %
Reproducibility:	$< \pm 0,25\%$ of V_{MAX} for a frequency $< 10\text{Hz}$
<i>Pulse to pulse variation</i>	$< \pm 0,1\%$ of V_{MAX} for mains voltage $\pm 10\%$
Current regulation:	Load regulation $< \pm 0,05\%$ de V_{MAX} (0-100% load) Line regulation $< \pm 0,05\%$ de V_{MAX} (mains voltage $\pm 10\%$)
Voltage holding :	$< 0,25\%$ p-p
Stability	0,01% per 1 hour, 0,03% per 3 hours after one hour of warm up with constant load and ambient temperature
Filtering capacitor value:	75,56 nF
Output resistor in series:	10 Ω

3.2 Other specifications

Cooling:	By air (fans)
Ambiant operating temperature:	From 0 to 50°C
Ambiant storage temperature:	From -20 to 60°C
Ambient humidity:	From 0 to 80% at 25°C, 50% at 40°C (no condensing)
External dimensions:	Rack 5HU-19" H222 x L483 x P480 mm
Weight:	30 kg
Maximum altitude	2000 meters above sea level