

### 3 TECHNICAL SPECIFICATIONS

#### 3.1 Electrical specifications

<b>Output voltage:</b>	From 0 to 6 kV
<b>Output current:</b>	From 0 to 1000 mA
<b>Polarity:</b>	Positive (prior to Earth)
<b>Mains voltage:</b>	480 Vac $\pm$ 10 % 3ph + Earth
<i>Any damage resulting from an electrical network which does not respect these specifications will not be supported by the warranty.</i>	
<b>Input power:</b>	6.68 kW (maximum input RMS current 9.5 A RMS)
<b>Efficiency (full load):</b>	90 %
<b>Reproducibility:</b>	< $\pm$ 0,25% of $V_{MAX}$ for a frequency < 10Hz
<i>Pulse to pulse variation</i>	< $\pm$ 0,1% of $V_{MAX}$ for mains voltage $\pm$ 10%
<b>Current regulation:</b>	Load regulation < $\pm$ 0,05% de $V_{MAX}$ (0-100% load) Line regulation < $\pm$ 0,05% de $V_{MAX}$ (mains voltage $\pm$ 10%)
<b>Voltage holding :</b>	< 0,25% p-p
<b>Stability</b>	0,01% per 1 hour, 0,03% per 3 hours
<i>after one hour of warm up with constant load and ambient temperature</i>	
<b>Filtering capacitor value:</b>	17 nF
<b>Output resistor in series:</b>	47 $\Omega$

#### 3.2 Other specifications

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