



## 2.4 kW, 27.12 MHz RF GENERATOR GHP 24KE

### Principal

Radio-frequency (RF) generator: GHP model with output impedance of 50 ohm, incorporating Quartz technology and semi-conductors.

The generator operates in the ISM band (Industrial, Scientific & Medical), at 27.12 MHz, with 2.4 kW RF output power and an output impedance of 50 ohm. The power stability and spectrum quality is ideal for a wide range of applications, such as plasma production with RF electrodes, the polarisation of substrates (particularly isolators) thermal treatments in research or in industry. The electrical field (the RF voltage) in a RF applicator or its RF current can be regulated.



Ref.	GHP 24 KE
Description	Switch mode power supply
Frequency	27.12 MHz
RF output impedance	50 ohm +/- 5 ohm
Output power	2.4 kW adjustable from 0 to 2.4 kW
Power stability	1 %
Maximum SWR	10%
Ripple	< 1 % RMS
Operational modes	Continuous or pulsed up to 2 kHz
Rise / Fall time	< 50 $\mu$ s / < 50 $\mu$ s in pulse mode
Mains (*)	Three phase 400/480 V + earth
Local control	Touch screen
Start mode (*)	Standard On/Off, Ramp
Remote control (*)	Analogue D-sub 25 pin
Consummation	3.6 kVA
Weight	12 kg
Dimensions (L x h x d)	483 x 178 x 512 (mm) Depth with rear connector max. 680 mm
Cooling method	Water
Operating conditions	From ambient temperature to 40 °C
Connectors	RF Output - N female
Conforms to International Standards	Safety EN 61010-10 EMC EN 61000-6-4, EN 61000-6-2

