

# RF Power Source

# RFS 27 - 1000

This solid state RF power source is designed for reliable, trouble-free service. It operates in a class C and includes RF protection circuits, cooling installations so as a 230 V or 380 V AC power supply. The amplifier is accommodated in a 19" system housing.

### Features :

- \* 1000 Watts saturated output power
- \* including crystal oscillator
- \* Power variation over more than 15 dB
- \* Water cooling in option
- \* Temperature protection

### Applications :

- \* Microwaves generators
- \* Power sources as a driver
- \* Fields Test
- \* Instrumentations

### Specifications

Characteristics	Data	Units
Frequency	27,125	MHz
RF output power CW		
Typ.	1100	W
Min	1000	W
Class	C	
Crystal oscillator	yes	
Gain control <b>remote</b>	> 15	dB
External power control	0 to 10	V
Out impedance nom.	50	Ohms
Load VSWR for rated output power	up to 1.5 : 1	
VSWR mismatch	Infinite (the power decrease)	
Protection circuits	Load VSWR, overtemperature	
Harmonics typ.	-40	dBc
Spurious typ.	-60	dBc
RF ON/OFF <b>remote</b>	remote	
P fwd <b>remote</b>	0 to 10	V
P reflect <b>remote</b>	0 to 10	V
RF connector	N female	
Cooling	Forced air (self-contained fans)	
Operating temperature Range	0 °C ... + 40	° C
Power Supply	230 V AC or 380 V triphase	V
Dimensions (W x L x H)	6 U 19" Rack 490 x 460 x 264	mm
All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice		

**remote** : have to be use with a external control circuit

[WWW.rfpa.com](http://WWW.rfpa.com)

Made in European Union

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## R.F.P.A. S.A.

Parc d'activité de Fontaudin F33370 Artigues près Bordeaux  
 France Tél : +33 (0)5 56 86 85 84 Fax: + 33 (0) 5 56 86 55 56