

HIGH POWER RF POWER AMPLIFIER SYSTEM

Model – DB.502.0G6060AC



1000 watts 500MHz - 2000MHz CW Mode

General Description:

This amplifier is a broadband Class AB solid-state RF power amplifier system designed for EMC/EMI test, broad band jamming, high power test and general-purpose amplification. This system utilizes the latest high power RF transistors and also features a built in control and monitoring.

Like all Elite RF amplifiers, the product comes with an industry leading warranty.

Features

- Wide Freq. Range
- High Output Power
- High Gain
- High Reverse Isolation
- Built-in Protection

Protections

- Over VSWR
- Over Voltage
- Over Heat

ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	BW	500		2000	MHz
Output Power CW	Psat	1000			Watt
Output Power at 1 dB Compression	P1dB	600			Watt
Gain	Gp	60			dB
Gain Flatness	Delta Gp 1		+/- 3		dB
Input VSWR (@50ohm)	S11			2:1	Ratio
Harmonics	H		-15		dBc
Spurious Signals	Spur		-55		dBc
Operating Voltage (3ØY-5Wire)	VAC	340		480	Volts
Power Consumption	P			7000	VA
Input Power	Pin			5	dBm
Power Display Accuracy	C		-		dB

ENVIRONMENTAL CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit
Operating Case Temperature	Tc	0		+40	Deg. C
Storage Temperature	Tstg	-20		+75	Deg. C
Relative Humidity (non-condensing)	RH	5		95	%
Vibration/Shock	VI /SH		Normal Truck Transport		

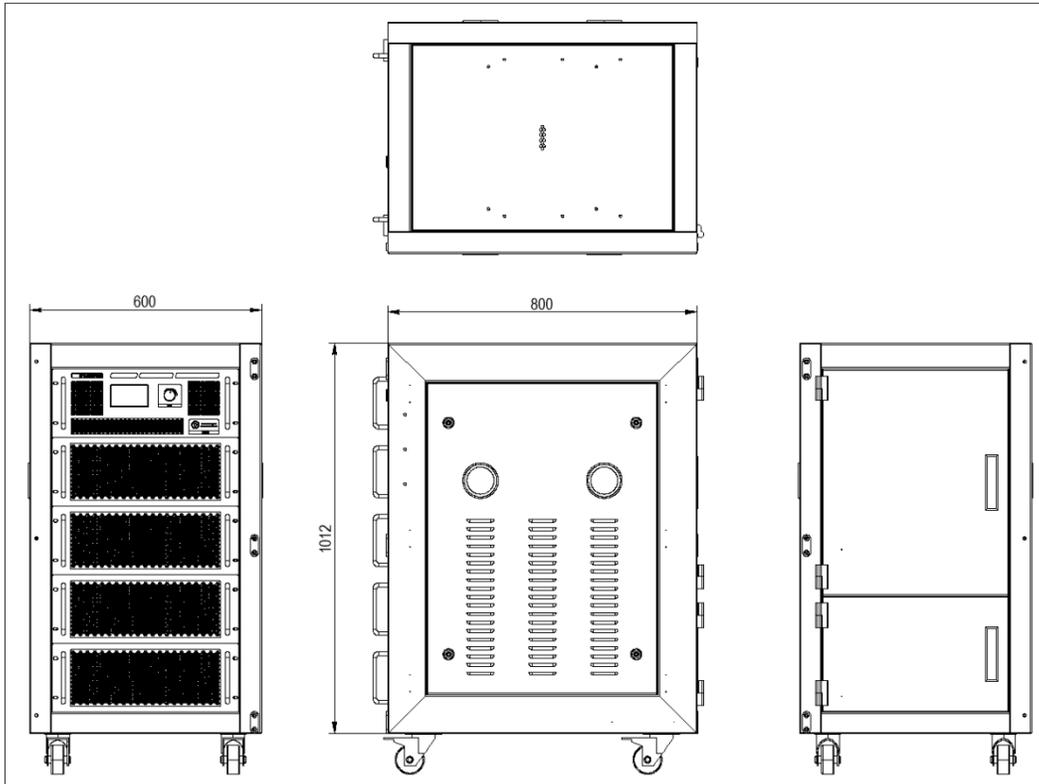
MECHANICAL CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit
Dimensions	Dim		19inch-rack 20U		Rack Unit
Weight	Wt.			235	kg
Connectors In/Out	RF Conn		N-Female / 7/16-Female		Customizable
Cooling	Th		Fan Cooling		

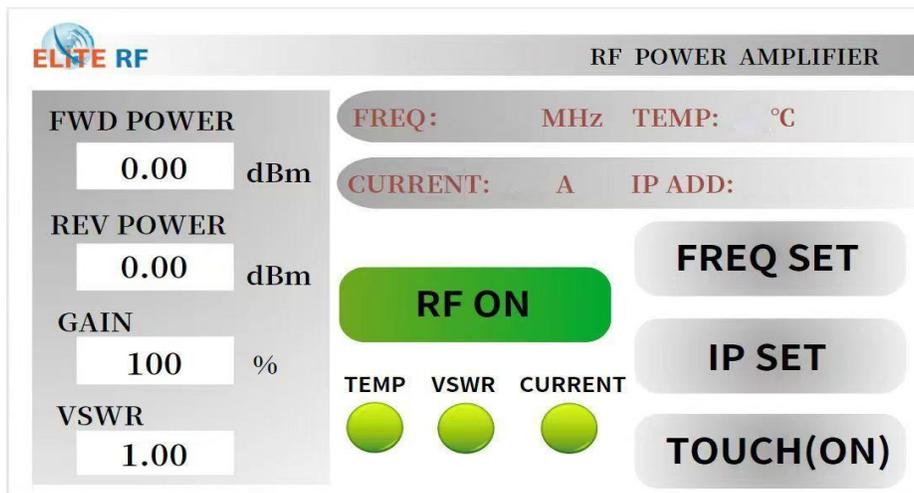
CONTROL INTERFACE

Options	Available
Front Panel Touchscreen	Yes
GPIB/LAN/USB	Yes
Custom Controls	Yes

Mechanical Drawings



Front Panel Display



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Rev2 01/15/2025:
 Specifications subject to change, consult
 sales for latest information