

HIGH POWER RF POWER AMPLIFIER SYSTEM

Model – DB.081.0G6060AC



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
Built-in Protection

Protections

Over VSWR
Over Voltage
Over Heat

ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	BW	80		1000	MHz
Output Power CW	Psat	1000			Watt
Output Power at 1 dB Compression	P1dB		57		dBm
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 (50-60Hz)	VAC		220		Volts
Power Consumption	P			5500	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

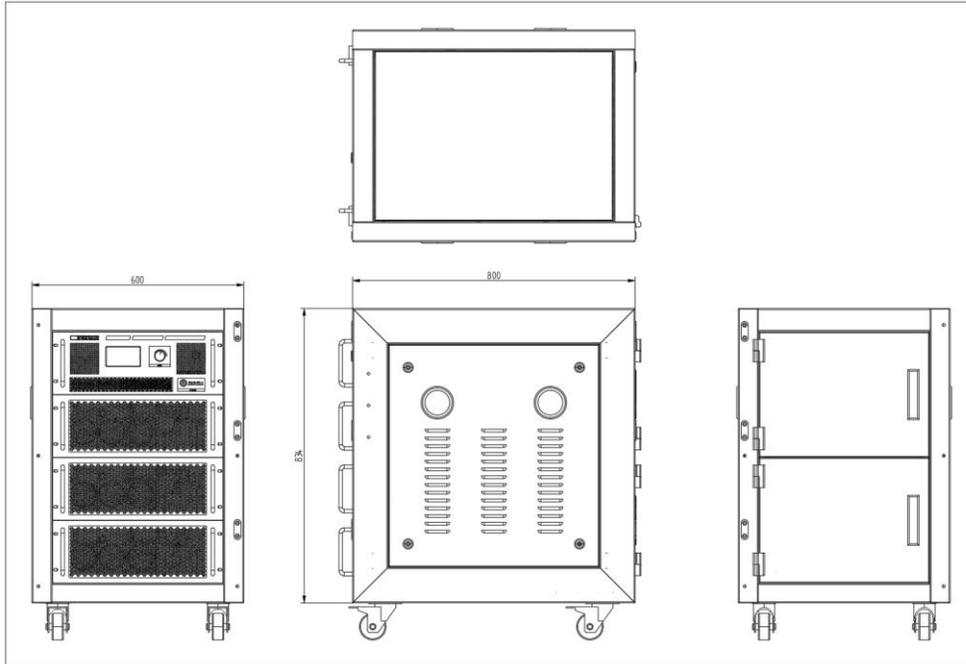
MECHANICAL CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit
Dimensions	Dim		19inch-rack 16U		Rack Unit
Weight	Wt.		85		kg
Connectors In/Out	RF Conn		N-Female / 7/16-Female		Customizable
Cooling	Th		Fan Cooling		

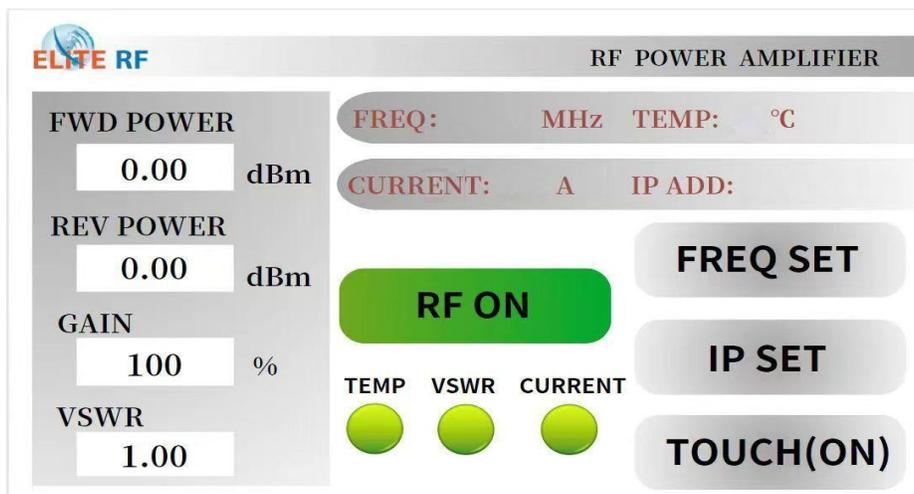
CONTROL INTERFACE

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

Mechanical Drawings



Front Panel Display



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Specifications subject to change, consult sales for latest information