

# LINEAR WIDEBAND POWER AMPLIFIER

**Model - DA6.0018G6060AC-W**



## General Description:

This amplifier is a broadband Class A 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

### Indicator options

Frequency  
Gain  
Forward Power  
Reverse Power Current  
Temperature

### Protections

Thermal Overload  
Over Voltage  
Over VSWR

## ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	BW	6000		18000	MHz
Output Power CW	Psat	1000			Watt
Output Power at 1 dB Compression	P1dB		400		Watt
Gain	Gp	60			dB
Gain Flatness	Delta Gp 1		+/- 4.5		dB
Input VSWR at 50 ohm	S11			2:1	Ratio
Harmonics	H		-15		dBc
Spurious Signals	Spur		-60		dBc
Operating Voltage <small>(3 Y-5Wire)</small>	VAC	340		480	Volts
Power Consumption at rated output	P			15000	VA
Input Power	Pin			+ 5	dBm
Power Display Accuracy	C		+/- 0.5		dB

## ENVIRONMENTAL CHARACTERISTICS

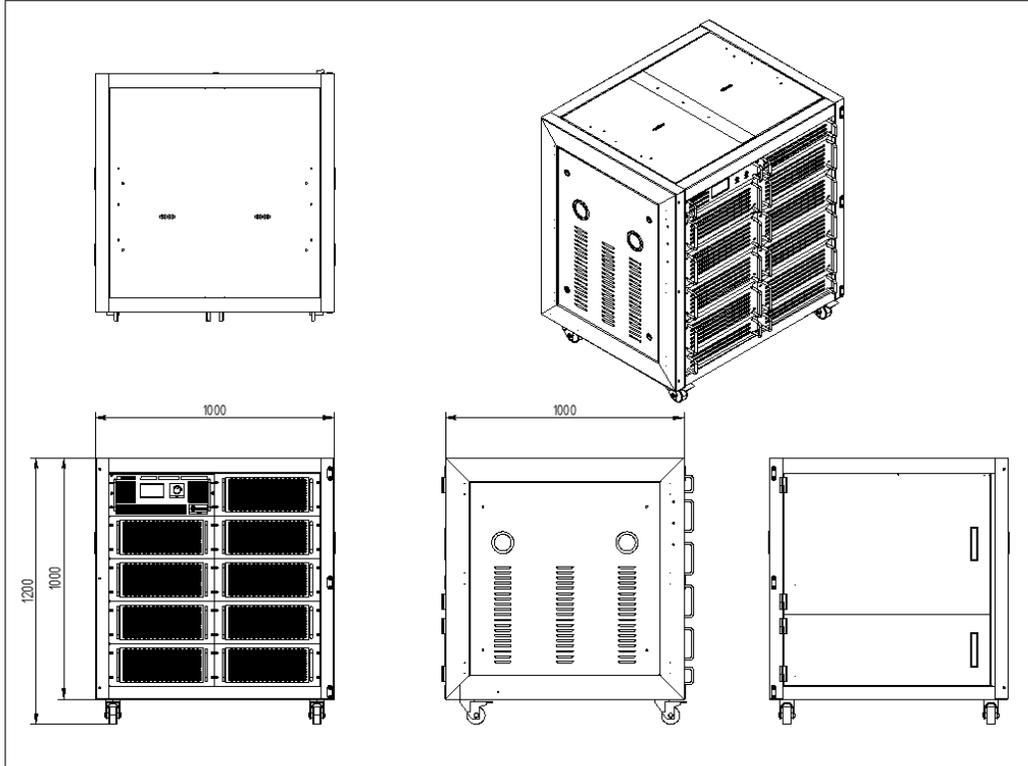
Parameter	Symbol	Min	Typ	Max	Unit
Operating Case Temperature	Tc	0		+40	Deg. C
Storage Temperature	Tstg	-20		+75	Deg. C
Relative Humidity (non-condensing)	RH	5		95	%
Vibration/Shock	VI /SH		Normal Truck Transport		

## MECHANICAL CHARACTERISTICS

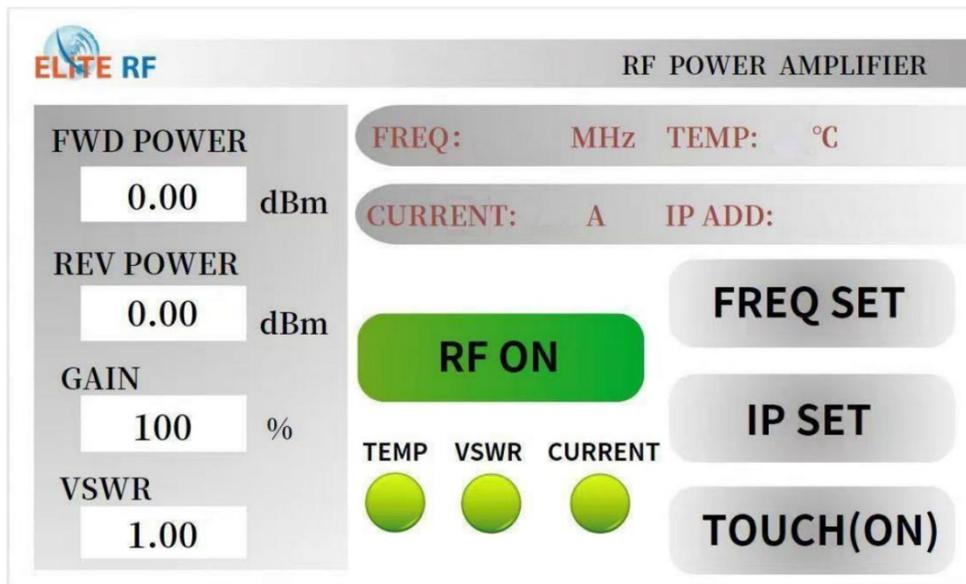
Parameter	Symbol	Min	Typ	Max	Notes
Dimensions (Without Driver)	Dim		1 × 1 × 1.2		meter
Weight	Wt.			375	kg
Connectors In/Out	RF Conn		N-F/ WRD500D36		-
Cooling	Th		Water Cooling		NPT 3/8 // 2IN&2OUT
Hydraulic pressure	HP			2MPa	suggest 0.8~1.8 MPa
Cooling water flow	CWL		≥10L/minute		Input water Tem≤27°C
Control Interface	CI		GPIB/LAN/USB		

## Outline Drawings

(Just for Reference)



## User Interface



Elite RF LLC

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Rev105/24/2025:  
 Specifications subject to change, consult  
 sales for latest information