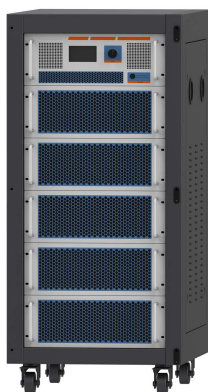


# HIGH POWER RF POWER AMPLIFIER SYSTEM

**Model – DA1.06.0G5959AC**



**750 watts 1000MHz - 6000MHz CW Mode**

## 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               | Indicator options | Protections  |
|------------------------|-------------------|--------------|
| Wide Freq. Range       | Frequency         | Over Heat    |
| High Output Power      | Gain              | Over Current |
| High Gain              | Forward Power     |              |
| High Reverse Isolation | Reverse Power     |              |
| Built-in Protection    | Current           |              |
|                        | Temperature       |              |

## ELECTRICAL SPECIFICATIONS

| Parameter                        | Symbol     | Min  | Typ     | Max   | Unit  |
|----------------------------------|------------|------|---------|-------|-------|
| Frequency Range                  | BW         | 1000 |         | 6000  | MHz   |
| Output Power CW                  | Psat       | 750  |         |       | Watt  |
| Output Power at 1 dB Compression | P1dB       | 450  |         |       | Watt  |
| Gain                             | Gp         | 59   |         |       | dB    |
| Gain Flatness                    | Delta Gp 1 |      | +/- 3.5 |       | dB    |
| Input VSWR                       | S11        |      |         | 2:1   | Ratio |
| Harmonics                        | H          |      | -15     |       | dBc   |
| Spurious Signals                 | Spur       |      | -55     |       | dBc   |
| Operating Voltage                | VAC        | 340  |         | 480   | Volts |
| Power Consumption                | P          |      |         | 12000 | 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 |     |        |

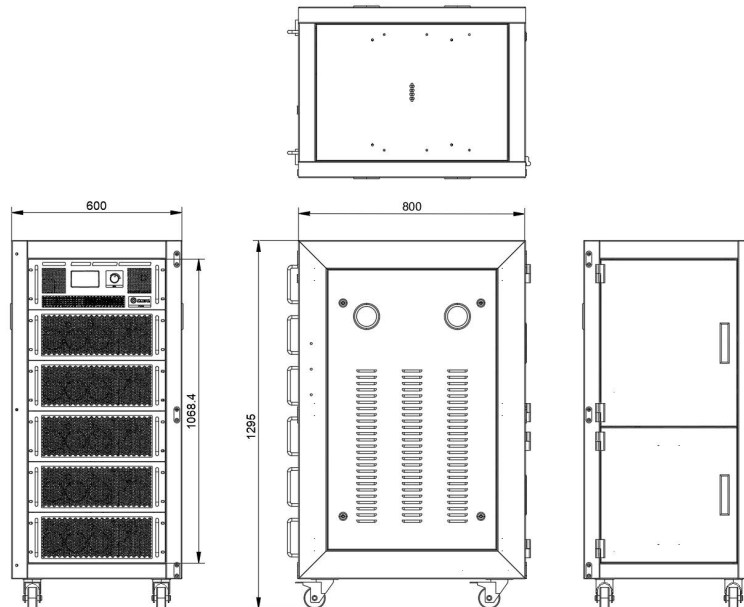
## MECHANICAL CHARACTERISTICS

| Parameter         | Symbol  | Min | Typ                    | Max | Unit      |
|-------------------|---------|-----|------------------------|-----|-----------|
| Dimensions        | Dim     |     | 24U                    |     | Rack Unit |
| Weight            | Wt.     |     |                        | 420 | kg        |
| Connectors In/Out | RF Conn |     | N-Female / 7/16-Female |     | -         |
| Cooling           | Th      |     | Fan Cooling            |     | -         |

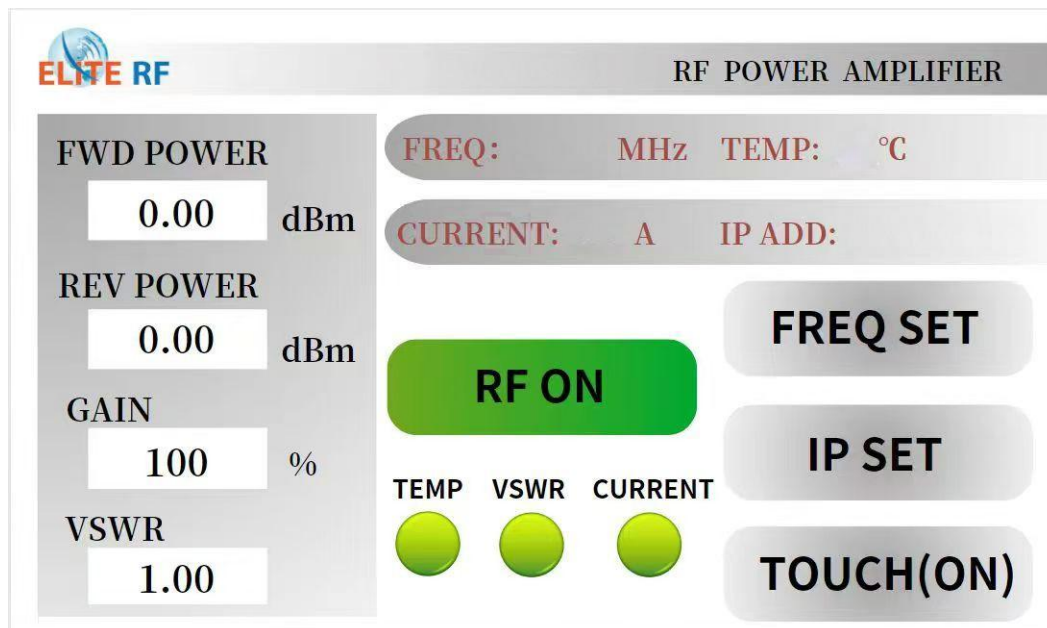
## CONTROL INTERFACE

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

## Mechanical Drawings



## Front Panel Display



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Rev2 01/17/2025:  
Specifications subject to change, consult  
sales for latest information

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