

HIGH POWER RF POWER AMPLIFIER SYSTEM

Model – DB2.08.0G5656AC



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

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 | 2000 | | 8000 | MHz |
| Output Power CW | Psat | 400 | | | Watt |
| Output Power at 1 dB Compression | P1dB | 80 | | | Watt |
| Gain | Gp | 56 | | | dB |
| Gain Flatness | Delta Gp 1 | | +/- 3 | | dB |
| Input VSWR | S11 | | | 2:1 | Ratio |
| Harmonics | H | | | -10 | dBc |
| Spurious Signals | Spur | | | -60 | dBc |
| Operating Voltage | VAC | | 380 | | Volts |
| Power Consumption | P | | | 5000 | Watts |
| 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 | | |

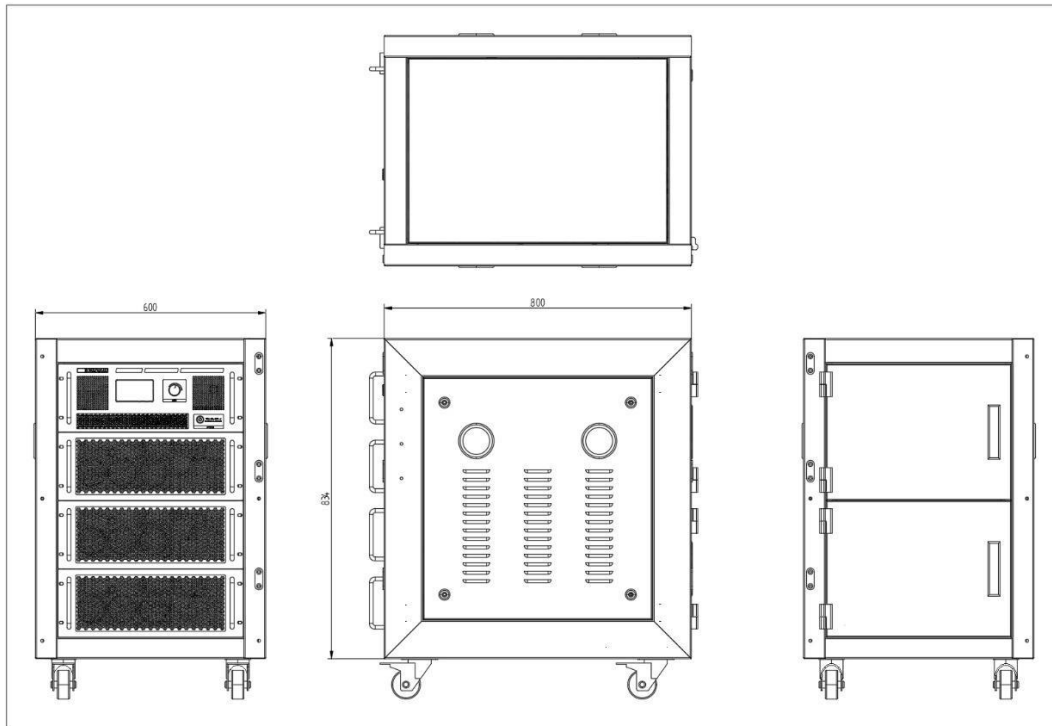
MECHANICAL CHARACTERISTICS

| Parameter | Symbol | Min | Typ | Max | Unit |
|-------------------|---------|-----|-------------|-----|-----------|
| Dimensions | Dim | | 16U | | Rack Unit |
| Weight | Wt. | | | 120 | kg |
| Connectors In/Out | RF Conn | | N-F/N-F | | - |
| Cooling | Th | | Fan Cooling | | - |

CONTROL INTERFACE

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

Mechanical Drawings



Front Panel Display

