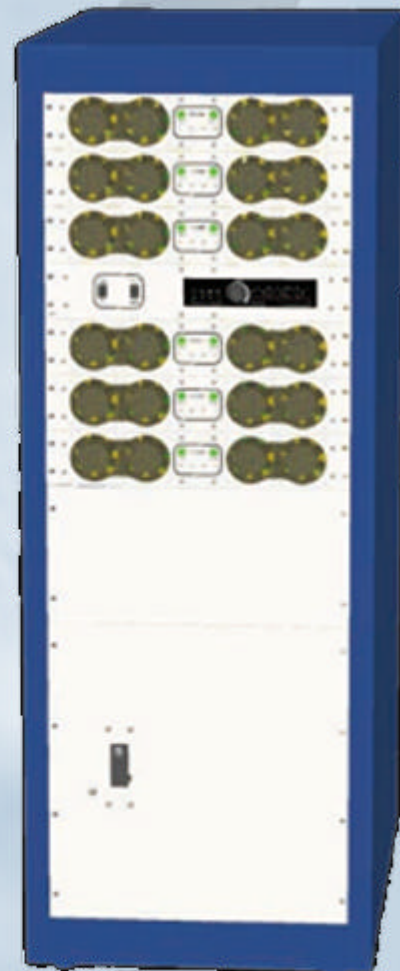
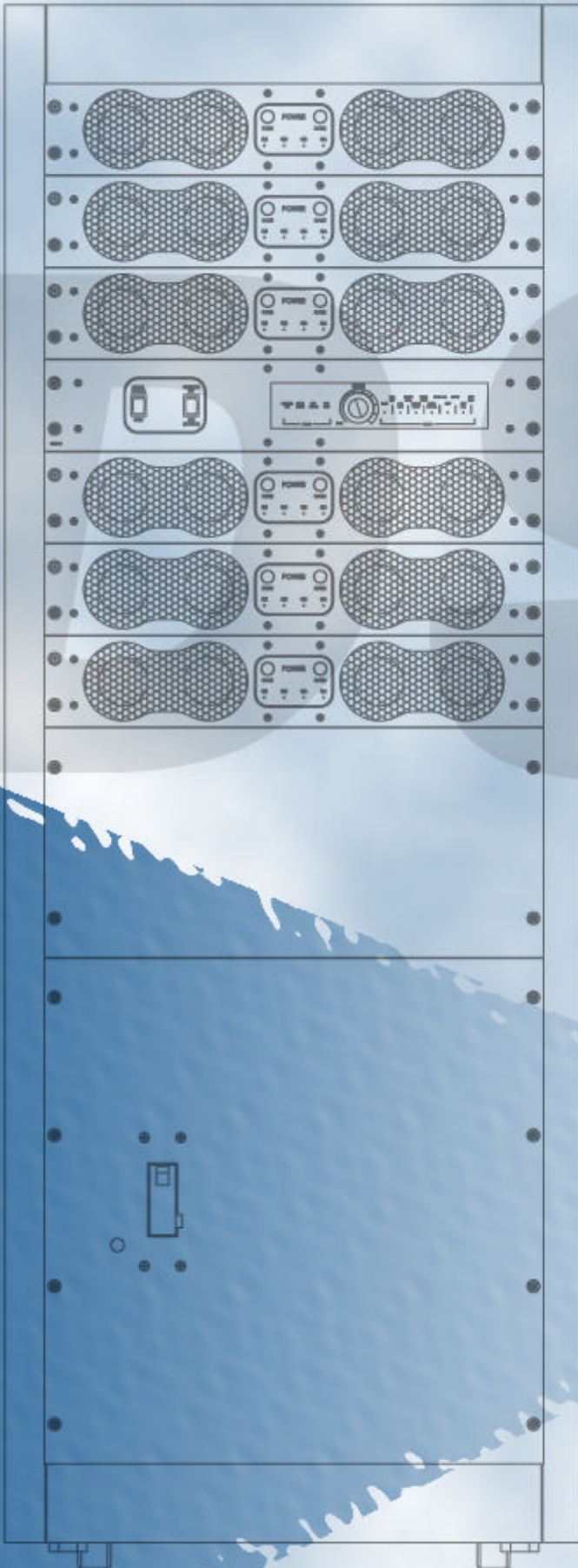


# DSA 36/48

**The DSA series of power amplifiers incorporate the engineering expertise of five generations of design and innovation in "field tested power amplifier technology" The DSA series utilizes a "modular" concept to produce a flexible re-configurable mainframe with interchangeable power and logic/control modules to match varying power factor loads, such as:**

- **Electro-Dynamic shakers**
- **Hydraulic actuators**
- **Acoustic Trnsducers**

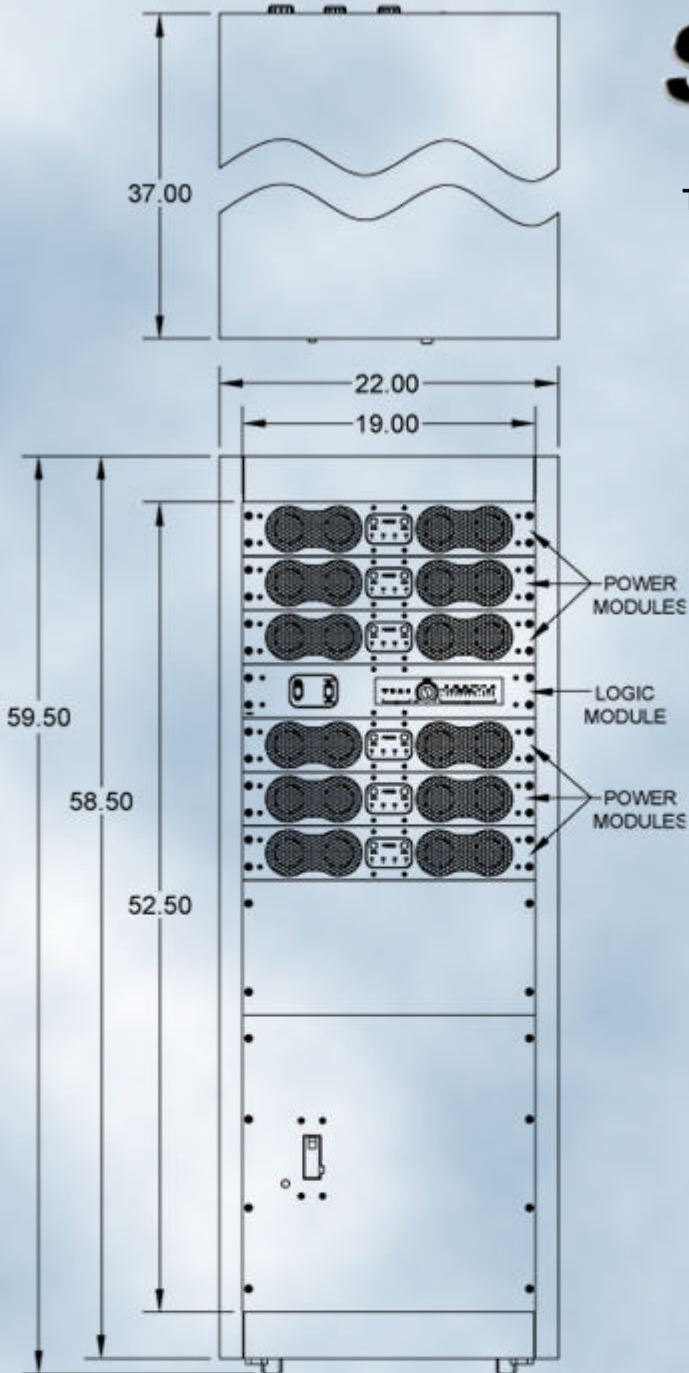


**Derritron Vibration Products**



# Specifications

The DSA 36/48 Power Amplifier is designed to accept up to (6) six output modules of either the DPM-6 or DPM-8 configurations.



|                    |   |
|--------------------|---|
| FREQUENCY RESPONSE | Full power from DC-2000 Hz rolling off to -3dB at 4000 Hz (6dB/Oct slope)   |
| DISTORTION         | (At rated output)THD less than:<br>0.5% from DC to 1500 Hz<br>0.75% from 1500 to 2000 Hz<br>1.0% from 2000 to 3000 Hz |
| HUM AND NOISE      | >70 dB below full output (input shorted)  |
| DC STABILITY       | <0.05% of full output voltage with $\pm 10\%$ change in input voltage.  |
| INPUT DRIVE        | 1.5 Vrms for full output (10K Ohm input impedance)  |
| COOLING            | 120 CFM (.056 m <sup>3</sup> /s) per module, 2750 BTU/hr (.806kW) per module rejected to air (full output).           |
| ISOLATION          | Output is isolated and may be grounded at "A-" terminal only  |
| DIMENSIONS         | See Diagram   |

## Environmental Specifications

|                   |   |
|-------------------|---|
| Temperature       | Full power to 40 °C, derated at 2% per °C above 40 °C to 55 °C max. |
| Humidity          | 0 to 80%RH (wet bulb temp. not to exceed 27 °C).                    |
| Shock & Vibration | ASTM Standard for transportation                                    |
| Weight            | Approx. 1100 lbs (500 kg) with (6) six power modules installed.     |

| OUTPUT    | Number of Power Modules Installed |     |     |     |     |      |
|-----------|-----------------------------------|-----|-----|-----|-----|------|
|           | 4                                 |     | 5   |     | 6   |      |
| DSA Model | 36                                | 48  | 36  | 48  | 36  | 48   |
| KVA       | 24                                | 32  | 30  | 40  | 36  | 48   |
| RMS Amps  | 220                               | 320 | 275 | 400 | 330 | 480  |
| Peak Amps | 480                               | 700 | 600 | 875 | 720 | 1050 |
| RMS Volts | 120                               | 120 | 120 | 120 | 120 | 120  |



Specifications subject to change without notice