

## GaN 500W ATX Power Supply

### Product Overview

- Compact, high density ATX PSU with cutting-edge GaN (Gallium Nitride) Technology.
- Ultra-small 200 × 55 × 40mm anodized aluminum body for fast heat dissipation.
- Smart, silent cooling (temperature-controlled 40 mm fan only triggers >60°C)
- Power density: **1.13W/cm<sup>3</sup>**, breaking 1W/cm<sup>3</sup> barrier.
- Pairs with second unit via sync cable for powerful 1000W output (split for CPU/Motherboard + GPU power chains).
- Supports ATX modular output (with 8PIN to dual 4+4PIN EPS for dual-CPU motherboards).
- Detachable C14 and C6 AC plug support.
- Fully meets Level V energy efficiency, up to 94% at full load.



### Key Features

| Feature         | Description                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------|
| Technology      | Gallium Nitride (GaN), advanced PFC + LLC topology                                                                                 |
| Cooling         | Smart, temp-controlled 40mm fan (silent, only triggers >60°C)                                                                      |
| ATX Output      | Modular, with EPS 8PIN & dual 4+4PIN support                                                                                       |
| Sync Capability | Syncs with second unit for combined 1000W output (with included cable)                                                             |
| Plug Support    | Detachable C14 & C6 AC plug — easy replacement                                                                                     |
| Mounting        | Three sets of back mounting holes for broad SFF/Mini-ITX compatibility (122.3×43.3mm, 144×33.3mm, and standard SFF/mini mountings) |
| Protections     | OCP, OVP, OTP, SCP                                                                                                                 |
| Certifications  | Meets Level V energy efficiency                                                                                                    |

### CONTACT US

KAGA FEI America, Inc.  
2349 Bering Drive  
San Jose, CA 95131

Phone: (408) 570-0955  
Fax: (408) 570-0186  
Toll Free: (888) 2 - VOLGEN

www.volgen.com  
Email: [information@volgen.com](mailto:information@volgen.com)

## Technical Specifications

| Parameter      | Value/Description                                                         |
|----------------|---------------------------------------------------------------------------|
| Dimensions     | 200.2 × 55 × 40 mm (L × W × H)                                            |
| Input          | 100–240V AC, 50/60Hz universal                                            |
| Rated Output   | 500W continuous (1000W in sync mode)                                      |
| Efficiency     | Up to 94% (Level V)                                                       |
| Power Density  | 1.13W/cm <sup>3</sup>                                                     |
| Switching FETs | 2x automotive-grade Innoscence (PFC), 2x GaNext (LLC)                     |
| Rectification  | 4x ShinDengen D25X bridge rectifier chips                                 |
| Capacitors     | Premium 1% tolerance, high-reliability chain                              |
| Cooling        | Temperature-controlled 40mm fan & full aluminum alloy body                |
| Mounting Holes | 122.3 × 43.3mm, 144 × 33.3mm, backwards compatible with SFF/ITX standards |
| EPS Cable      | 8PIN to dual 4+4PIN included                                              |
| Sync Cable     | Included for dual-PSU operation                                           |

## Package Contents

- 500W GaN AIO ATX Power Supply Unit
- Full modular cable set (including dual 4+4PIN EPS)
- Sync cable for dual PSU operation
- Detachable front mounting plate
- Quick start guide

## Applications

- High-reliability SFF desktops, Mini-ITX/ATX builds
- Dual PSU (CPU/Motherboard + GPU split) for high-power systems
- Sync cable for dual PSU operation
- HTPC, audio/video studios, silent workstations

## CONTACT US

KAGA FEI America, Inc.  
2349 Bering Drive  
San Jose, CA 95131

Phone: (408) 570-0955  
Fax: (408) 570-0186  
Toll Free: (888) 2 - VOLGEN

www.volgen.com  
Email: [information@volgen.com](mailto:information@volgen.com)

