# VE SERIES VE75 VE85

## VE Series Powered!

## ATX3.1 & PCI-E 5.1 Ready

The VE Series meets the newest generation of Intel's PSDG (power supply design guide), ATX 3.1. The PSU includes PCI-E 5.1, 16-pin (12V-2x6) connector with high-quality 16 AWG cable. Power is ready for all high-performing future PCIe 5.1 graphics cards.

Ground Safety Pin

Each 12V pin support up to 9.5A
The connector supports up to 450W

4 Pin Sideband Signals

**2X** Total Power Excursion

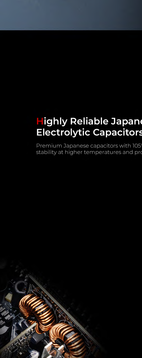
**3X** GPU Power Excursion

## Smart Temperature-Controlled FDB Fan with Zero RPM Mode

Under 750-/850-Watts, the 135 mm PCB fan will stop rotating, providing an ultra-quiet experience. If the PSU's temperature reaches 50°C, the fan will automatically operate to dissipate the heat. This will provide a stable and tranquil environment for users.

## 80 PLUS® Gold Certified for High Efficiency

The VE Series is an 80 PLUS® Gold certified power supply that delivers up to 90% conversion efficiency which can generate less heat, effectively lowering energy consumption and noise.




80 PLUS GOLD

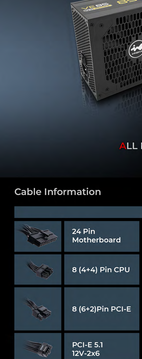
5 YEARS WARRANTY

## Fully Modular with High Quality Flat Cables

The fully modular and flexible flat cables allow builders limits the cables present in a PC. Easier cable management results in cleaner builds with better airflow.

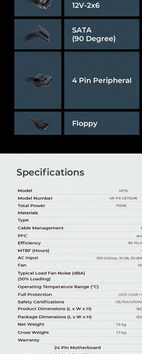
## Highly Reliable Japanese Aluminium Electrolytic Capacitors

Premium Japanese capacitors with 105°C rating improves power stability at higher temperatures and provides an ultra-long lifespan.



## 5V and 3.3V DC to DC Design

The VE Series is equipped with a DC to DC converter design, that provides a superior dynamic response, and supports a foundation for greater system stability.



## Multi-Protection Safeguards (OCP, OVP, UVP, SCP, OTP, OPP)

The VE Series comes with plenty of safety protections safeguards. These precautions are to ensure quality and a safe power usage.

- Over-Currents
- Over-Voltages
- Under-Voltages
- Short Circuits
- Over-Temperature
- Over-Power

ALL MODELS OF VE SERIES

## Cable Information

| | | | VE75 | VE85 |
|---|---|---|---|---|
|  | 24 Pin Motherboard | 600mm | 1 | |
|  | 8 (4+4) Pin CPU | 650mm, 150mm | 1 | |
|  | 8 (6+2)Pin PCI-E | 150mm, 150mm | 2 | |
|  | PCI-E 5.1 12V-2x6 | 600mm | 1 | |
|  | SATA (90 Degree) | 150mm, 150mm, 150mm | 3 | |
|  | 4 Pin Peripheral | 150mm, 150mm, 150mm | 1 | |
|  | Floppy | | | |

## Specifications

| Model | VE75 | VE85 |
|---|---|---|
| Model Number | PA-1F5-14TTGW | PA-1F5-14SSGW |
| Total Power | 750W | 850W |
| Materials | | SECC |
| Type | | ATX12V v2.3 |
| Cable Management | | Fully Modular |
| PFC | | Active PFC (> 0.95) |
| Efficiency | | 80 PLUS® Gold (Up to 90%) |
| MTBF (Hours) | | > 100,000 hrs |
| AC Input | 100-240Vac, 10-5A, 50-60Hz | 100-240Vac, 12-6A, 50-60Hz |
| Fan | | 135 mm FDB Fan |
| Typical Load Fan Noise (dBA) (50% Loading) | | < 25 dB(A) |
| Operating Temperature Range (°C) | | 0 ~ 40°C |
| Full Protection | | OCP / OVP / UVP / SCP / OTP / OPP |
| Safety Certifications | | CB, TUV, cTUVus, FM, BSMI, RCM, CE, FCC, CB/CA |
| Product Dimensions (L x W x H) | | 160 x 150 x 86 mm |
| Package Dimensions (L x W x H) | | 355 x 210 x 105 mm |
| Net Weight | 1.6 kg | 2.0 kg |
| Gross Weight | 1.7 kg | 2.9 kg |
| Warranty | | 5 Years |
| Connectors | 24 Pin Motherboard | 1 |
| | 8 (4+4) Pin CPU | 2 |
| | 8 (6+2) Pin PCI-E | 4 |
| | PCI-E 5.1 12V-2x6 | 1 (450W) |
| | 4 Pin Peripheral | 3 |
| | SATA (90 Degree) | 4 |
| | Floppy | 1 |




| Model | DC OUTPUT | +12V | +5V | +3.3V | -12V | +5VSB | Total Power |
|---|---|---|---|---|---|---|---|
| VE75 | AC INPUT | 100-240Vac, 10-5A, 50-60Hz | | | | | |
| | Max. Output Current | 62.5A | 20A | 20A | 0.3A | 3A | 750W |
| | Max. Combined Power | 750W | | 100W | 3.6W | 15W | |
| VE85 | AC INPUT | 100-240Vac, 12-6A, 50-60Hz | | | | | |
| | Max. Output Current | 70.8A | 20A | 20A | 0.3A | 3A | 850W |
| | Max. Combined Power | 850W | | 100W | 3.6W | 15W | |

* 115V/c production complys with 80PLUS regulations
* Specifications may vary based on different regions