# NV-PS1

## 24W 115/230V AC to 12V DC Switching Power Supply for Powering 12V PC Fans Off Wall Outlets

The NV-PS1 is a compact, premium grade 24W AC/DC power supply that's ideal for powering 12V fans off the mains for home, office or multi-purpose ventilation tasks. Supporting both 230V and 115V input and including modular connectors for EU, US and UK type sockets, the NV-PS1 is highly versatile. At the same time, with an idle power consumption of only 0.075W, it lends itself to applications that require maximum efficiency even when powering only a single fan. The included NA-AC10 adaptor cable allows for connecting 3-pin and 4-pin PWM fans to the NV-PS1's 5.5mm barrel connector and can be combined with optional NA-YC1 splitter cables or the NA-FH1 8-port fan hub in order to power multiple fans. Alternatively, the optional NV-FH2 fan hub can be connected directly to the NV-PS1's barrel connector. With full CE and UKCA compliance, safety certifications from UL and TÜV as well as protection against over current, over voltage and short circuits, the NV-PS1 is a safe quality device through and through. Its MTTF rating of 50,000 hours under full load and Noctua's 6-year manufacturer's warranty make it the first choice for customers who seek a dependable, premium grade solution for powering 12V fans from wall outlets.

### Powering fans up to 24W

With a maximum output power of 24W, the NV-PS1 has the capacity to run several power-hungry high-speed fans using optional NA-YC1 y-cables or fan hubs such as the NA-FH1 or NV-FH2. At the same time, it runs highly efficient even if only a single, low power fan is connected.

### Wide range AC input, EU/US/UK plugs included

The NV-PS1 supports an input range of 90~264V AC (47-63Hz), making it fully compatible with both 115V and 230V grids. Including modular connectors for type C (CEE 7/16, for Europe, Russia, Brazil, South Africa, etc.), type A (NEMA 1-15, for USA, Canada, Mexico, Japan, etc.) and type G (BS 1363, for UK, Ireland, Singapore, etc.), the NV-PS1 is fit to run in a broad variety of environments.

### Fan speed control with optional NA-FC1 controller

The NV-PS1 can be nicely combined with the optional NA-FC1 controller in order to manually adjust the RPM speed of 4-pin PWM fans. When used with optional NA-YC1 splitter cables or NA-FH1 fan hubs, the NA-FC1 can be interconnected for controlling multiple fans simultaneously.

### 6-year warranty

The NV-PS1 features an MTTF rating of 50,000 hours under full load at 25°C ambient temperature (MIL-HDBK-217F standard) and comes with Noctua's standard 6-year manufacturer's warranty, making it a dependable long-term choice for applications that require a quality power supply that will run safely for many years.

## NV-PS1 SPECIFICATIONS

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|---|---|
| Input voltage | 90~264 V AC |
| Input frequency | 47~63 Hz |
| Standby power consumption | 0.075 W |
| Protection | Over voltage, over current, short-circuits |
| Protection class | II |
| Operating temperature | 0~40 °C |
| Operating humidity | 8~90 % |
| Safety standards | EN 60950-1:2006+A11+A1+A12+A2, EN 62368-1, IEC 62368-1:2014, UL 60950-1 (2nd Edtion), CAN/CSA C22.2 No. 60950-1-07 (2nd Edition) |
| EMC standards | EN 55032 Class B, FCC Part 15 Subpart B Class B |
| Input connectors (included) | type C (CEE 7/16, for Europe, Russia, Brazil, South Africa, etc.), type A (NEMA 1-15, for USA, Canada, Mexico, Japan, etc.) and type G (BS 1363, for UK, Ireland, Singapore, etc.) |
| Output connector | 5.5mm (outer diameter) / 2.1mm (inner diameter) barrel with NA-AC10 4-pin PWM adaptor cable |
| Cable length | 1.5 m |
| Warranty | 6 years |

## LOGISTIC DATA

**Product name**
Noctua NV-PS1

**EAN**
9010018900149

**UPC**
841501190148

**Packaging dimensions (HxWxD)**
45x168x145 mm

**Weight incl. packaging**
300 g

**Warranty**
6 years

**Packaging unit**
40 pcs

**Packaging dimensions / unit (HxWxD)**
325x495x360 mm

**Weight incl. packaging / unit**
12.90 kg

## SCOPE OF DELIVERY

NV-PS1 power supply
US socket adaptor (Type A)
EU socket adaptor (Type C)
UK socket adaptor (Type G)
NA-AC10 adaptor cable for 3-pin and 4-pin PWM fans

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