



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

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 Edition), 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