

**36 W
AC/DC
UNI
ADAPTER**

36 Watt Universal Power

HNP36-UNIL6 5...15 Volt Tischnetzteil-Serie



HNP-POWER

Besondere Merkmale

Universal-Steckerschaltnetzteil
7 versch. Ausgangsspannungen möglich
6 DC Stecker enthalten
Doppelte Isolation
Kompakter Aufbau
Überlast- und kurzschlußfest
Geringer Leerlaufverlust
ErP Step 3 / DOE Level VI

Features

Universal-plug in switching adaptor
7 var. output voltages possible
6 DC connectors included
Double insulated
Small low profile package
Overload, short circuit protection
Low standby power consumption
ErP Step 3 / DOE Level VI

Anwendung

Universeller Ersatz für viele Geräte
Drahtlose Kommunikation
Peripheriegeräte
Netzwerktechnik
Mobile Ausrüstungen
Tablets / Smartphones
Telekommunikation

Application

Universal replacement for various applications
Wireless communications
Peripherals
Networking
Portable equipment
Tablets / Smartphones
Telecom

Technische Daten

(bei 25°C Umgebungstemperatur)

Specification

at 25 °C ambient temperature

Eingangsdaten

Eingangsspannung
Eingangsfrequenz
Eingangsstrom
Netzausfallüberbrückung
Einschaltstromstoß
Leerlaufverlust

Input Specifications

Input voltages 90...264 VAC
Input frequency 47...63 Hz
Input current 1000mA(rms) @90VAC
Hold-up time, nom.conditions 20ms @230VAC
Inrush current <40A/230VAC
No load power consumption < 0.1 Watt

Ausgangsdaten

Leistung
Wirkungsgrad
Ausregelzeit ±2%
Restwelligkeit

Output Specifications

Power max. 36 Watt
Efficiency ErP 3
Recovery time ±2% max. 40 ms
Ripple and noise max. 200mV pp

Allgemeine Daten

Betriebstemperatur
Lagertemperatur
Luftfeuchte
Isolation
Leckstrom
Überstromschutz
Überspannungsschutz
Zulassungsbestimmungen

General Specifications

Operating temperature 0°C...+40°C
Storage temperature -10°C...+80°C
Humidity 25...75% RH
Dielectric Withstand (Hipot) 3000VAC 1min 5mA inp.<->outp.
Leakage current 0.25mA max.@240 VAC
Overcurrent protection continuous, auto restart
Overvoltage protection typ. 120%
Safety requirements CE LVD EN62368-1:2014+A11:2017

EMV

EMC

EN55032:2015; EN55024:2010+A1:2015
EN61000-3-2:2014;EN61000-3-3:2013

RoHS

RoHS

2015/863/EU

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Bestell-Information / Order Information

| Modell | Ausgang Output | Max. |
|-------------|----------------|--------|
| HNP36-UNIL6 | 5 V | 3.00 A |
| oder / or | 6 V | 3.00 A |
| oder / or | 7.5 V | 3.00 A |
| oder / or | 9 V | 3.00 A |
| oder / or | 12 V | 3.00 A |
| oder / or | 13.5 V | 2.40 A |
| oder / or | 15 V | 2.40 A |

Spannung fest einstellbar mit beiliegendem Schlüssel - Voltage fix selectable with included key

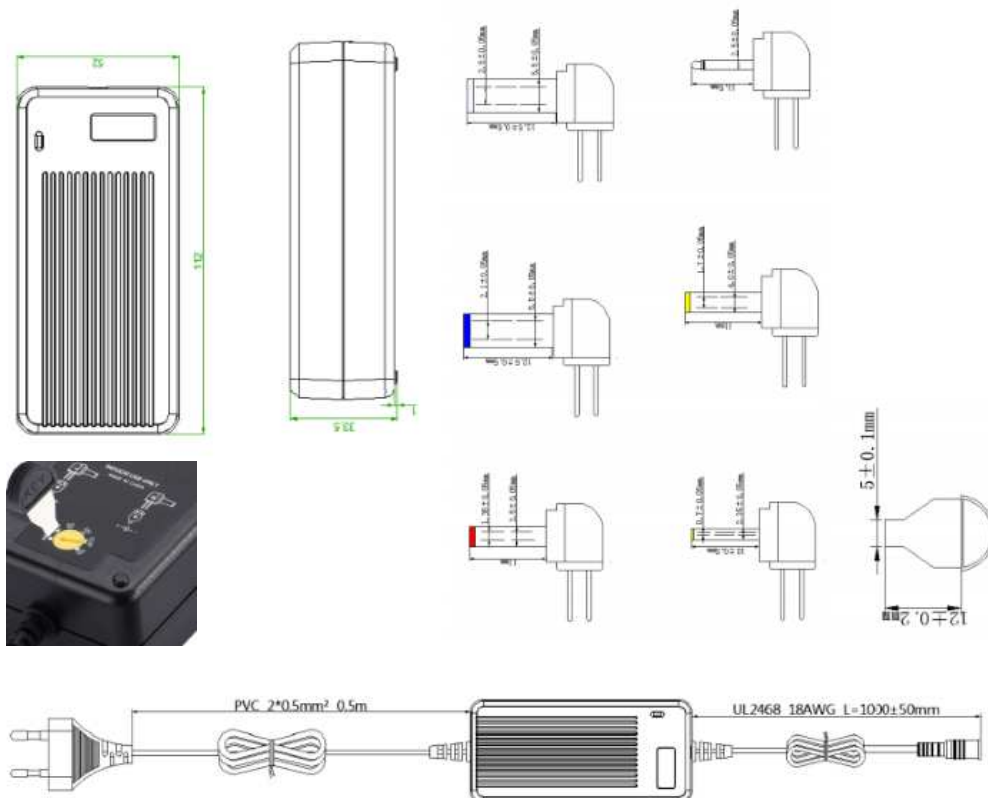
MEMO:

Mechanik

Mechanical

| | | |
|------------|--------------|---|
| L×B×H | L×W×H | 112 × 52 × 33.5 mm |
| Gewicht | Weight | 220 g |
| DC-Stecker | DC-connector | 6 variations included : |
| | | 3.5*1.35 , 5.5*2.1, 5.5*2.5, 2.35*0.7, 4.0*1.7, 2.5 mono plug |
| DC-Kabel | DC-cable | L=1000mm , UL2468 18AWG |
| AC-Kabel | AC-cable | L=500 mm, fixed with EU connector |

PIN-Belegung und Zeichnung / Pin Assignments & Drawing



Please read the manual carefully and note the safety advice.

User Manual:

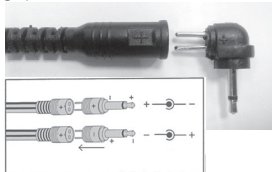
Unpack the product and check the contents inside the package.
If available, please put the AC input clip for your region on the adapter body or connect the AC cord to the adapter.
Connect the adapter to the wall socket. The operating LED (if available) will turn on when then adapter is ready to use.
Connect the cable to the device. For adapters with USB port first attach USB cable to the powersupply, then connect the device.

Please choose a fitting DC connector (fig.1), take care of the required polarity (fig.2) and select the output voltage (fig.3)

(fig.1)



(fig.1)



(fig.1)




No commitment for any damage at misuse.
In case you need technical support, please contact our support-team by e-mail under info@hnec.de


Safety advice:

- Do not pull the cable.
- Do not open the device, there are no serviceable parts inside.
- Do not expose the device to water and protect it against humidity.
- Do not use brute force when connecting the adapter.
- Keep the device away from children.
- Disconnect electronic devices from the power when not using for longer time.
- The power outlet where the adapter is used must be easily accessible.
- Do not use the device when it has visible defects.

Note on environmental protection:

 After the implementation of the European Directive 2012/19/EC in the national legal system, the following applies:
Electrical and electronic devices may not be disposed of with domestic waste. Consumers are obliged by law to return electrical and electronic devices and batteries at the end of their service lives to the public collecting points set up for this purpose or point of sale.
Details to this are defined by the national law of the respective country.

This symbol on the product, the instruction manual or the package indicates that a product is subject to these regulations. By recycling, reusing the materials or other forms of utilising old devices, you are making an important contribution to protecting our environment.

 We hereby declare, that this device carries the CE mark in accordance with the regulations and standards. It conforms with the fundamental requirements of the EMC directive 2014/30/EC as well as the Low Voltage Directive 2014/35/EC.
You can find the complete declaration of conformity and a detailed datasheet under www.hnec.de.

Efficiency (EU) 2019/1782

| Model | Input Voltage/Frequency | Output Voltage(V) | Output Current(A) | Power for label | Average efficiency | Efficiency at 10% load | No load power consumption (Watt) |
|-------------|-------------------------|-------------------|-------------------|-----------------|--------------------|------------------------|----------------------------------|
| HNP36-UNIL6 | 230Vac / 50Hz | 5,0 | 3,00 | 15,0W | 87,20% | 86,30% | 0,03W |
| HNP36-UNIL6 | 230Vac / 50Hz | 6,0 | 3,00 | 18,0W | 87,80% | 87,30% | 0,04W |
| HNP36-UNIL6 | 230Vac / 50Hz | 7,5 | 3,00 | 22,5W | 88,30% | 88,00% | 0,04W |
| HNP36-UNIL6 | 230Vac / 50Hz | 9,0 | 3,00 | 27,0W | 89,70% | 88,90% | 0,05W |
| HNP36-UNIL6 | 230Vac / 50Hz | 12,0 | 3,00 | 36,0W | 90,80% | 89,70% | 0,06W |
| HNP36-UNIL6 | 230Vac / 50Hz | 13,5 | 2,40 | 32,4W | 91,10% | 89,60% | 0,07W |
| HNP36-UNIL6 | 230Vac / 50Hz | 15,0 | 2,40 | 36,0W | 91,80% | 89,70% | 0,08W |
| HNP60-UNIL6 | 230Vac / 50Hz | 9,0 | 3,42 | 30,78W | 89,20% | 86,10% | 0,05W |
| HNP60-UNIL6 | 230Vac / 50Hz | 12,0 | 3,42 | 41,04W | 89,90% | 84,80% | 0,06W |
| HNP60-UNIL6 | 230Vac / 50Hz | 13,5 | 3,42 | 46,17W | 90,20% | 85,50% | 0,08W |
| HNP60-UNIL6 | 230Vac / 50Hz | 15,0 | 3,42 | 51,3W | 90,20% | 85,70% | 0,08W |
| HNP60-UNIL6 | 230Vac / 50Hz | 19,0 | 3,42 | 64,98W | 90,50% | 86,20% | 0,11W |
| HNP60-UNIL6 | 230Vac / 50Hz | 20,0 | 2,50 | 50,0W | 90,20% | 84,10% | 0,12W |
| HNP60-UNIL6 | 230Vac / 50Hz | 24,0 | 2,50 | 60,0W | 90,30% | 84,40% | 0,15W |

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