

100 W
AC/DC
USB 2C+1A
ADAPTER

100 Watt Value Power

HNP100EU-2C+1A Adapter



HN-POWER

Besondere Merkmale Features

Steckerschaltnetzteil	Plug in switching adaptor
Doppelte Isolation	Double insulated
Ultra-Kompakter Aufbau	Ultra small low profile package
Überlast- und kurzschlußfest	Overload, short circuit protection
Minimalster Leerlaufverlust	Lowest standby power consumption
EU CoC V5 tier 2 / EnergyStar DOE VI	EU CoC V5 tier 2/ EnergyStar DOE VI
Schnellladefunktion PD 3.0 & QC 3.0	Fast Charge with USB PD 3.0 & QC 3.0

Anwendung Application

Einplatinencomputer	Single board computers
Drahtlose Kommunikation	Wireless communications
Peripheriegeräte	Peripherals
Netzwerktechnik	Networking
Mobile Ausrüstungen	Portable equipment
Tablets	Tablets
Telekommunikation	Telecom
Aktuelle Smartphones	Latest Smartphones

Technische Daten Specification

(bei 25°C Umgebungstemperatur) at 25 °C ambient temperature

Eingangsdaten Input Specifications

Eingangsspannung	Input voltages	100-240 VAC
Eingangsfrequenz	Input frequency	50/60 Hz
Eingangsstrom	Input current	1.5A all voltage range & output @full load
Netzausfallüberbrückung	Hold-up time, nom.conditions	20ms @230VAC
Einschaltstromstoß	Inrush current	13.25 A ² S
Leerlaufverlust	No load power consumption	< 0.3 Watt

Ausgangsdaten Output Specifications

Leistung	Power	100 Watt
Wirkungsgrad	Efficiency	DOE VI / CoC V5 tier 2, see page 3
Ausregelzeit ±2%	Recovery time ±2%	max. 3 s
Restwelligkeit	Ripple and noise	max. 200mV pp

Allgemeine Daten General Specifications

Betriebstemperatur	Operating temperature	-10°C...+25°C
Lagertemperatur	Storage temperature	-20°C...+70°C
Luftfeuchte	Humidity	10...90% RH
Isolation	Dielectric Withstand (Hipot)	3000VAC 1min 5mA inp.<->out.
Leckstrom	Leakage current	0.25mA max.@240 VAC
Überstromschutz	Overcurrent protection	Hiccup, auto restart
Überspannungsschutz	Overvoltage protection	Hiccup 28V Type-C
Zulassungsbestimmungen	Safety requirements	CE LVD EN62368-1:2014+A11:2017

EMV EMC EN55032:2015/A11:2020; EN55035:2017/A11:2020
EN61000-3-2:2019; EN61000-3-3:2013+A1:2019

RoHS RoHS EN 63000 : 2018

100 Watt Value Power

HNP100EU-2C+1A Adapter

100 W AC/DC USB 2C+1A ADAPTER

Ausgangsleistungen / Output Power

USB-C1	USB-C2	USB-A	TOTAL
100W	NC	NC	100W
NC	100W	NC	100W
NC	NC	25W	25W
70W	25W	NC	95W
25W	70W	NC	95W
48W	48W	NC	96W
70W	NC	25W	95W
NC	5V4.5A		22.5W
70W	5V4.5A		92.5W

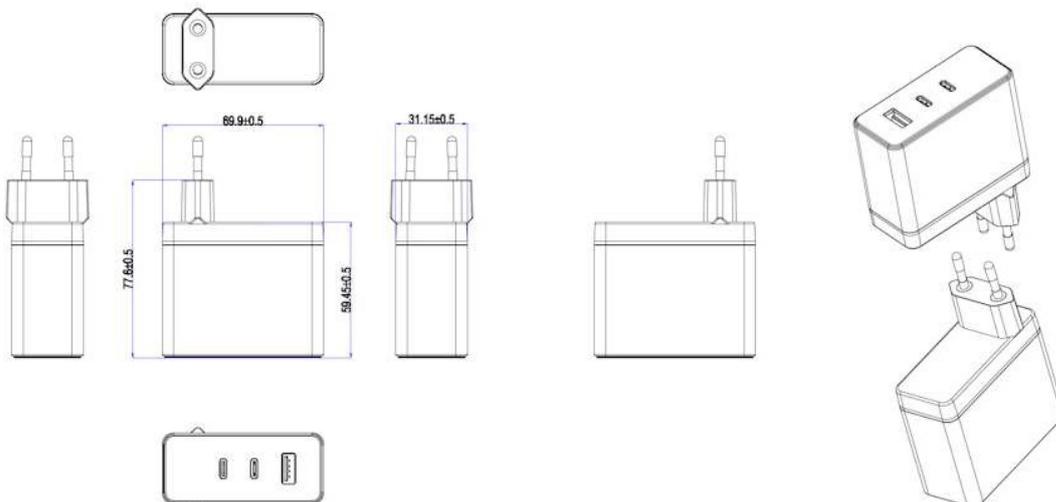
MEMO:

Mechanik

Mechanical

LxBxH	LxWxH	69.9 × 31.15 × 77.6 mm
Gewicht	Weight	246 g
Ausgang	Output	2x USB Type-C + 1x USB A

PIN-Belegung und Zeichnung / Pin Assignments & Drawing



Model	Input Voltage/Frequency	Output Voltage(V)	Output Current(A)	Power for label	Average efficiency	Efficiency at 10% load	No load power consumption (Watt)
HNP65EU-C	230Vac / 50Hz	5.0V	3.0A	15.0W	84,57%	84,94%	0.12W
	230Vac / 50Hz	9.0V	3.0A	27.0W	88,61%	87,08%	0.12W
	230Vac / 50Hz	12.0V	3.0A	36.0W	89,86%	86,60%	0.12W
	230Vac / 50Hz	15.0V	3.0A	45.0W	90,55%	86,28%	0.12W
	230Vac / 50Hz	20.0V	3.25A	65.0W	91,29%	86,56%	0.12W
HNP65EU-1C	230Vac / 50Hz	5.0V	3.0A	15.0W	83,93%	74,87%	0.08W
	230Vac / 50Hz	9.0V	3.0A	27.0W	87,73%	80,24%	0.08W
	230Vac / 50Hz	12.0V	3.0A	36.0W	89,28%	83,74%	0.08W
	230Vac / 50Hz	15.0V	3.0A	45.0W	90,04%	85,46%	0.08W
	230Vac / 50Hz	20.0V	3.25A	65.0W	91,06%	86,69%	0.08W
HNP100EU-2C1A	230Vac / 50Hz	C1:5.0V	C1:3A	37.5W	83,65%	70,26%	0.17W
		C2:5.0V	C2:2.25A				
		A:5.0V	A: 2.25A				
HNP100EU-2C1A	230Vac / 50Hz	C1:21.0V	C1:3.3A	91.8W	90,39%	80,80%	0.17W
		C2:5.0V	C2:2.25A				
		A:5.0V	A : 2.25A				
HNP140EU-3C1A	230Vac / 50Hz	C1:21.0V C2:21.0V C3: 5.0V A: 5.0V	C1:3.095A C2: 2.143A C3:1.5A A: 1.5A	95.0W	92,12%	82,06%	0.25W
HNP140EU-3C1A	230Vac / 50Hz	C1:5.0V C2:5.0V C3:5.0V A:5.0V	C1:3.0A C2:3.0A C3:1.5A A:1.5A	95.0W	86,54%	70,72%	0.25W
HNP20EU-1C	230Vac / 50Hz	5.0V	3.0A	15.0W	84,82%	83,06%	0.08W
	230Vac / 50Hz	9.0V	2.22A	19.98W	87,68%	82,84%	0.08W
	230Vac / 50Hz	12.0V	1.67A	20.04W	88,13%	81,24%	0.08W
HNP45EU-1C	230Vac / 50Hz	5.0V	3.0A	15.0W	85,25%	78,53%	0.08W
	230Vac / 50Hz	9.0V	3.0A	27.0W	89,28%	84,64%	0.09W
	230Vac / 50Hz	12.0V	3.0A	36.0W	90,27%	85,07%	0.11W
	230Vac / 50Hz	15.0V	3.0A	45.0W	91,04%	85,71%	0.14W
	230Vac / 50Hz	20.0V	2.25A	45.0W	90,94%	82,78%	0.19W
HNP67EU-2C1A	230Vac / 50Hz	C1:5.0V C2:5.0V A:5.0V	C1:1.75A C2:1.75A A:3.0A	32.5W	85,75%	77,25%	0.19W
	230Vac / 50Hz	C1:5.0V C2:5.0V A:20.0V	C1:1.75A C2:1.75A A:2.25A	62.5W	91,15%	82,43%	0.19W