

**67 W
AC/DC
USB 2C+1A
ADAPTER**

67 Watt Value Power

HNP67EU-2C+1A USB Adapter



HNP-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 Specifications0	
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	15 A²T
Leerlaufverlust		No load power consumption	< 0.3 Watt
Ausgangsdaten		Output Specifications	
Leistung		Power	67 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.<->outp.
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

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Ausgangsleistungen / Output Power

USB-C1	USB-C2	USB-A	TOTAL
67W	NC	NC	67W
NC	67W	NC	67W
NC	NC	18W	18W
45W	20W	NC	65W
45W	NC	18W	63W
NC	5V3.5A		17.5W
45W	5V3.5A		62.5W

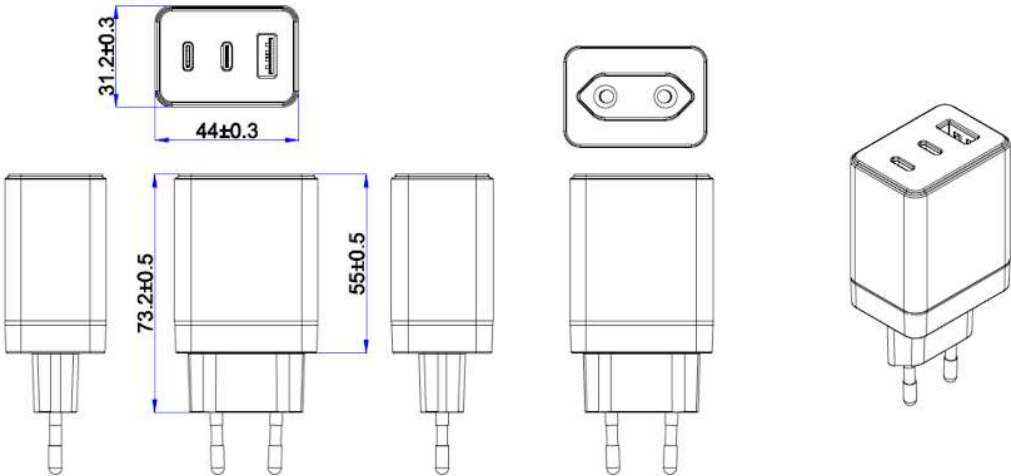
MEMO:

Mechanik

Mechanical

L×B×H	L×W×H	44 × 31.2 × 92.2 mm
Gewicht	Weight	129 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