SNP-A02 Series

20 W AC/DC Switch Mode Power Supplies

CoolPower Solutions

- Teholuokka 10 – 20 W
- 10% vakioteholähteitä korkeampi hyötysuhde
- Täyttää Green Power vaatimukset
- Täyttää maailmanlaajuiset turvallisuusstandardit

- Rated power 10 – 20 W
- 10% higher efficiency than the traditional adaptors
- Fulfil Green Power requirements
- Fulfil World wide safety regulations



Tekniset tiedot

Tulojännite:	
Tulotaajuus:	
Syöksyvirta:	
Täyttää Green mode vaatimukset	
Lähtöjännite:	
• Tarkkuus:	
Maks. teho:	
Maks. virta:	
Kuormaregulointi:	
Linjaregulointi:	
Lämpötila-alue:	
Rippeli:	
Hyötysuhde:	
Pitoaika:	
Ylikuormitussuojaus:	
Oikosulkusuojaus	
Ylijännitesuojaus:	
Jäähdytys:	
Varastointilämpötila:	
Sähköiset turvanormit:	
EMC standardit:	
• Emissio:	
• Immuniteetti:	
Liitännät:	
Mitat (PxLxK):	
Paino:	

Technical specifications

Input voltage:	90-264 VAC
Input Frequency:	47-63 Hz
Inrush Current:	< 60 A at 230 VAC Cold start, 25°C
Meet Green mode	< 0,5W (at no load)
Output voltage:	See table
• Accuracy:	See table
Max. output power:	20 W, Peak 24 W 10 s.
Max. load current:	See table
Load regulation:	See table
Line regulation:	± 1,0%
Temperature range:	-20°C … +60°C above 40°C, derate at 2,5%/°C
Ripple:	See table
Efficiency:	70% …85% see table
Hold up time:	16 ms typical at rated load and 115VAC
Over Load protection:	Auto recovery
Short Circuit Protection:	Auto recovery
Over Voltage protection:	Latch off
Cooling:	Free air convection
Storage temperature:	-20°C … +85°C
Electrical safety standard:	EN 60950-1, UL 60950-1, LPS (cUL)
EMC standards	
• Emission:	EN61000-4-2,-3,-4,-5,-6,-11
• Immunity:	FCC”B”, CISPR22 level ”B”
Connections:	AC input: IEC 320 C8 (or C6) DC output: DC Power Jack
Dimensions (LxWxH):	96 x 52 x 33 mm
Weight:	170 g

Jotkin tekniset arvot saattavat vaihdella muiden mallien ja jänniteversioiden osalta.

Some technical specifications may differ for other models and voltage versions

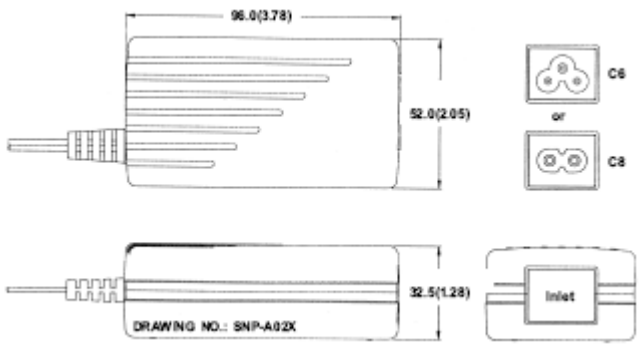
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Mekaaniset tiedot – Mechanical Specifications



Jänniteversiot – Voltage versions

Malli Model	Lähtöjännite (VDC) Output voltage (VDC)		Kuormitus (A) Load (A)				Rippeli Ripple	Load reg. Regulointi	Hyötysuhde Efficiency
	Nimellinen Nominal	Tarkkuus Accuracy	Min	Rated	Max	Peak			Tyypillinen Typical
SNP-A026	+5.0 V	4.75 V…4.25 V	0 A	2.0 A		3.0 A	50mVpp	± 4 %	70% …85%
SNP-A02C	+9.0 V	8.55 V…9.45 V	0 A	1.8 A		2.5 A	80mVpp	± 3 %	70% …85%
SNP-A027	+12 V	11.40 V…12.60 V	0 A	1.3 A		2.0 A	80mVpp	± 2 %	70% …85%
SNP-A028	+15 V	14.25 V…15.75 V	0 A	1.0 A		1.6 A	80mVpp	± 1 %	70% …85%
SNP-A029	+24 V	22.80 V…25.20 V	0 A	0.7 A		1.0 A	80mVpp	± 1 %	70% …85%
SNP-A02T	+48 V	45.60 V…50.40 V	0 A	0.35 A		0.5 A	400mVpp	± 1 %	70% …85%

Huomioitavaa – Notes

1. Output can provide up to peak load when the power supply starts up. Continuous staying in more than rated load is not allowed.
2. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
3. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
4. Load regulation is defined by changing ±40% of measured output load from 60% rated load.
5. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF capacitor at rated load and nominal line.
6. Hold up time is measured from the end of the last charging pulse to the time which the main output drops down to low limit of main output at rated load and nominal line.
7. Efficiency is measured at rated load, and nominal line.

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