

SNP-C10 Series

100 W AC/DC Switch Mode Power Supplies

CoolPower
Solutions

- Aktiivinen PFC
- ITE sovelluksiin
- Korkeus vain 1.42"
- LED merkkivalo
- Lähtöjännitteen säätö-trimmerillä
- Hyötysuhde 80%...87%
- Käyttölämpötila-alue -20°C...70°C
- Built-in active PFC
- With ITE safety
- Only 1.42 inch height
- With power on LED
- With output adjustable trimmer
- Efficiency between 80% to 87%
- Operation from -20°C to 70°C by convection



Tekniset tiedot

Tulojännite:
Tulotaajuus:
Syöksyvirta:

Lähtöjännite:

- Säätöalue:

Maks. teho:

Maks. virta:

Kuormaregulointi:

Linjaregulointi:

Lämpötila-alue:

Rippeli:

Hyötysuhde:

Pitoaika:

Ylikuormitussuojaus:

Oikosulkusuojaus

Ylijännitesuojaus:

Jäähdytys:

Varastointilämpötila:

Sähköiset turvanormit:

EMC standardit:

- Emissio:
- Immunitaetti:

Mitat (PxLxK):

Paino:

Technical specifications

Input voltage:

Input Frequency:

Inrush Current:

Output voltage:

- Internally adjustable:

Max. output power:

Max. load current:

Load regulation:

Line regulation:

Temperature range:

Ripple:

Efficiency:

Hold up time:

Overload protection:

Short Circuit Protection:

Over Voltage protection:

Cooling:

Storage temperature:

Electrical safety standard:

EMC standards

- Emission:
- Immunity:

Dimensions (LxWxH):

Weight:

85-264 VAC

47-63 Hz

< 60 A at 230 VAC

Cold start, 25°C

See table

See table

100 W, Peak 150 W 8 s.

See table

± 1,0% See table

± 1,0%

-20°C ... +70°C

Derating: 2,5%/°C>50

See table

78% ... 87% see table

(rated load and 115VAC)

16 ms typical

(rated load and 115VAC)

Auto recovery

Auto recovery

Latch off

Free air convection

-40°C ... +75°C

EN 60950-1, UL 60950-1,

CSA C22.2 No. 60950-1

EN61000-4-2,-3,-4,-5,-6,-8,-11

FCC"B", EN 55022"B", EN55011"B"

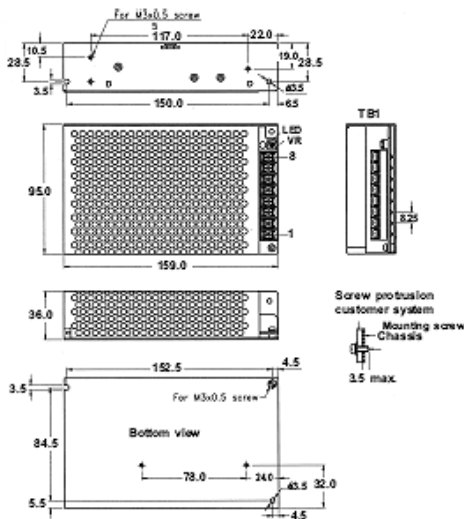
159 x 95 x 36 mm

610 g

Jotkin tekniset arvot saattavat vaihdella muiden mallien ja jänniteversioiden osalta.

Some technical specifications may differ for other models and voltage versions

Mekaaniset tiedot – Mechanical Specifications



1. Dimensions shown in mm as left. Tolerance: ± 0.4 mm.
2. Size 95 x 159 x 36 mm.
3. Connectors: AC input & DC output:
Terminal Blocks, 8.25 mm interval
4. Output Pin assignment:

Pin no:	1	2	3	4	5	6	7	8
SNP-C106	AC/L	AC/N	Earth	GND	+5.0V			
SNP-C107	AC/L	AC/N	Earth	GND	+12V			
SNP-C108	AC/L	AC/N	Earth	GND	+15V			
SNP-C109	AC/L	AC/N	Earth	GND	+24V			
SNP-C10T	AC/L	AC/N	Earth	GND	+48V			
SNP-C103	AC/L	AC/N	Earth	GND	GND	+5.0V		
SNP-C10A	AC/L	AC/N	Earth	+12 V	GND	+5.0V		
SNP-C100	AC/L	AC/N	Earth	+24 V	-5V	+12V	GND	+5.0V
SNP-C104	AC/L	AC/N	Earth	+12 V	-5V	+15V	GND	+5.0V
SNP-C10F	AC/L	AC/N	Earth	-15 V	+24V	+12V	GND	+5.0V

Jänniteversiot – Voltage versions

Malli Model	Lähtöjännite (VDC) Output voltage (VDC)		Kuormitus (A) Load (A)				Rippeli Ripple	Load reg. Regulointi	Hyötysuhde Efficiency Typyminen Typical
	Nimellinen Nominal	Säätöalue Adjustable	Min	Rated	Max	Peak			
SNP-C106	+5.0 V	4.95 V...5.050 V	0 A	18 A		30 A	50mVpp	± 1 %	83 %
SNP-C107	+12 V	11.40 V...12.60 V	0 A	9.0 A		13.5 A	120mVpp	± 1 %	84 %
SNP-C108	+15 V	14.25 V...15.75 V	0 A	7.0 A		10.5 A	150mVpp	± 1 %	86 %
SNP-C109	+24 V	22.80 V...25.20 V	0 A	4.5 A		6.8 A	240mVpp	± 1 %	87 %
SNP-C10T	+48 V	45.60 V...50.40 V	0 A	2.3 A		3.4 A	240mVpp	± 2 %	87 %
SNP-C103	+5 V	4.95 V...5.05 V	0 A	8.0 A	10 A	12 A	50mVpp	± 3 %	81 %
	+12 V	11.40 V...12.60 V	0 A	4.5 A	6.0 A	8.0 A	120mVpp	± 3 %	
SNP-C10A	+5 V	4.95 V...5.05 V	0 A	7.0 A	10 A	12 A	50mVpp	± 3 %	83 %
	+24 V	11.40 V...12.60 V	0 A	2.5 A	3.0 A	4.0 A	240mVpp	± 3 %	
SNP-C100	+5 V	4.95 V...5.05 V	0 A	7.0 A	10 A	15 A	50mVpp	± 3 %	81 %
	+12 V	11.40 V...12.60 V	0 A	4.0 A	5.0 A	7.0 A	120mVpp	± 3 %	
	-12 V	-11.40 V...-12.60 V	0 A	0.5 A	1.0 A		120mVpp	± 3 %	
	-5 V	-4.95 V...-5.05 V	0 A	0.5 A	1.0 A		50mVpp	± 3 %	
SNP-C104	+5 V	4.95 V...5.05 V	0 A	7.0 A	10 A	15 A	50mVpp	± 3 %	80 %
	+15 V	14.25 V...15.75 V	0 A	3.0 A	4.0 A	6.0 A	150mVpp	± 3 %	
	-15 V	-14.25 V...-15.75 V	0 A	0.5 A	1.0 A		150mVpp	± 3 %	
	-5 V	-4.95 V...-5.05 V	0 A	0.5 A	1.0 A		50mVpp	± 3 %	
SNP-C10F	+5 V	4.95 V...5.05 V	0 A	5.0 A	8.0 A	10 A	50mVpp	± 3 %	80 %
	+12 V	11.40 V...12.60 V	0 A	2.0 A	4.0 A	5.0 A	120mVpp	± 3 %	
	+24 V	22.80 V...25.20 V	0 A	1.5 A	1.5 A	3.0 A	240mVpp	± 3 %	
	-12 V	-11.40 V...-12.60 V	0 A	0.5 A	1.0 A		120mVpp	± 3 %	

* Saatavilla myös DIN-kiskokiinnikkein
* Available with bracket for DIN-rail montage.

Huomioitavaa – Notes

1. The max load can be continuously provided at 50°C and convection cooling conditions. The peak load can be temporarily provided up to 8 seconds.
2. At factory, all outputs in 60% rated load condition, each output is checked to be within the accuracy range while the main output is setting to within the specified accuracy range at rated load.
3. Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
4. Load regulation is defined by changing $\pm 40\%$ of measured output load from 60% rated load at another output set to 60% rated load.
5. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF + 10uF 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 drop down to regulation limit at rated load and nominal line.