SNP-Z30 Series

300 W AC/DC Power Supply Units with PFC

CoolPower Solutions

- Tehokerroinkorjaus (PFC)
- Korkeus vain 1.6”
- 4.2W / kuutiotuuma
- Täyttää ITE turvamääräykset
- Hyötysuhde 80%...90%
- Käyttölämpötila-alue 0°C…70°C

- With built-in PFC
- Only 1.6 inch height
- 4.2W / cubic inch
- With ITE safety only
- Efficiency between 80% to 90%
- Operation from 0°C to 70°C by convection

Tekniset tiedot

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

Technical specifications

Input voltage:	90-264 VAC
Input Frequency:	47-63 Hz
Inrush Current:	< 60 A at 230 VAC cold start, 25ºC
Output voltage:	See table
Max. output power:	300 W
Max. load current:	See table
Load regulation:	± 1,0%, See table
Line regulation:	± 1,0%
Temperature range:	0°C … +70°C Derating: 2,5%/°C>50
Ripple:	See table
Efficiency:	80% …90% depending on model
Hold up time:	20ms typical
Overload protection:	Auto recovery
Short Circuit Protection:	Auto recovery
Over Voltage protection:	Latch off
Over Temperature protection:	Depending on model
Remote sense:	Compensates for 0.5V load drop min.
Cooling:	300W free air convection 360W with 18 CFM cooling for single output
Storage temperature:	-20°C … +85°C
Electrical safety standard:	EN 60950-1, UL 60950 CSA C22.2 No. 234
EMC standards	
• Emission:	EN61000-4-2,-3,-4,-5,-6,-8,-11
• Immunity:	EN 55022”B”, FCC”B”
Harmonics:	EN61000-3-2 class D
Dimensions (LxWxH):	127.8 x 228.6 x 40.6 mm
Connections:	AC input: Terminal blocks DC output: Terminal blocks Remote sense: Molex 5045-02A
Weight:	1000 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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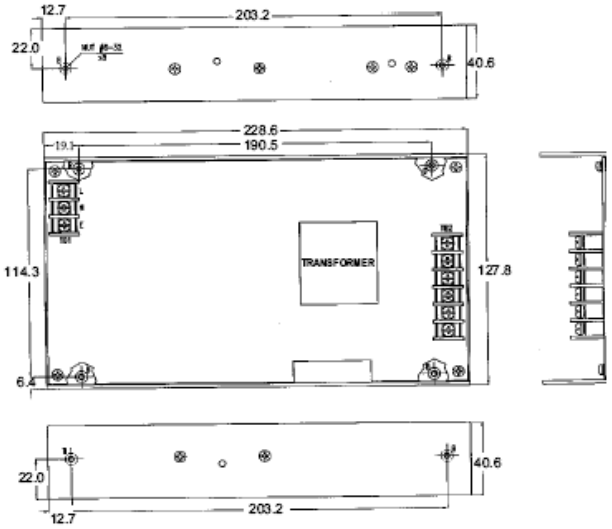
Mekaaniset tiedot – Mechanical Specifications



1. Dimensions shown in mm as left. Tolerance: ± 1 mm.
2. Size 127.8 X 228.6 X 40.6 (mm). (5”x9”x1.6”)
3. Connectors:
   AC input: Terminal blocks
   DC output: Terminal blocks
   Remote sense: Molex 5045-02A or equivalent
4. Output Pin assignment:

Jänniteversiot – Voltage versions

Malli Model	Lähtöjännite (VDC) Output voltage (VDC)		Kuormitus (A) Load (A)				Rippeli Ripple	Load reg. Regulointi
	Nimellinen Nominal	Tarkkuus Accuracy	Min	Rated	Max	Peak		
SNP-Z301	+5.0 V +12 V -12 V	+4.95V…+5.05V +11.4V…+12.6V -11.4V…-12.6V	0 A 0 A 0 A	32 A 10 A 1 A	45 A 14 A 2 A		50mVp-p 100mVp-p 100mVp-p	± 1 % ± 1 % ± 1 %
SNP-Z30D	+3.3 V +5.0 V +12 V	+3.2V…+3.4V +4.75V…+5.25V +11.4V…+12.6V	0 A 0 A 0 A	20 A 20 A 8 A	30 A 30 A 10 A		50mVp-p 50mVp-p 100mVp-p	± 1 % ± 1 % ± 5 %
SNP-Z306	+5.0 V	+4.95V…+5.05V	0 A	60 A	72 A		50mVp-p	± 1 %
SNP-Z307	+12 V +5.0 V (float)	+11.8V…+12.2V +4.8V…+5.2V	0 A 0 A	25 A 2 A	30 A		100mVp-p 50mVp-p	± 1 % ± 1 %
SNP-Z308	+15 V +12 V (float)	+14.8 V..+15.2 V +11.76 V…+12.24 V	0 A 0 A	20 A 0.5 A	23 A		150mVp-p 50mVp-p	± 1 % ± 1 %
SNP-Z309	+24 V +5.0 V (float)	+23.8V…+24.2V +4.8 V…+5.2 V	0 A 0 A	12 A 2 A	14.6 A		200mVp-p 50mVp-p	± 1 % ± 1 %
SNP-Z30T	+48 V +5.0 V (float)	+47.8V…48.20 V +4.8 V…+5.2 V	0 A	6.25 A 2 A	7.3 A		200mVp-p 50mVp-p	± 1 %
SNP-Z30B	+3.3 V	+3.14V…3.47 V	0 A	70 A	90 A		50mVp-p	± 1 %

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

Huomioitavaa – Notes

1. Each output can provide up to max load separately. Continuous staying in more than total output power is not allowed in free air convection. The max. load must be with 18 CFM fan cooling.
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 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 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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