contact@simpex.ch www.simpex.ch



SNP-B Series

Machinery ITE & Medical 40W to 300W

SIMPEX

electronic



Features

- Machinery Box type
- ITE & Medical Dual Safety Approvals*
- Built-in Active PFC (except SNP-B04/B06)

- Power On LED indication
- Adjustable output
- Optional Din Rail Mounting Fixture

Model Selection

	Outrat Dall		Load		Initial	Adjustable	Ripple&	
Model No.	Output Rail	Min	Rated	Peak*	Accuracy*	Range*	Noise*	Efficiency
SNP-B045	+18V	0A	2.2A	4.2A	+18.0V~+18.2V	+17V~+19V	50mV	85%
SNP-B047	+12V	0A	3.3A	6.0A	+12.0V~+12.1V	+11V~+13V	50mV	83%
SNP-B048	+15V	0A	2.7A	5.0A	+15.0V~+15.2V	+14V~+16V	50mV	83%
SNP-B049	+24V	0A	1.7A	3.0A	+24.0V~+24.2V	+22V~+30V	50mV	80%
SNP-B065	+18V	0A	3.3A	6.7A	+18.0V~+18.2V	+17V~+19V	50mV	85%
SNP-B067	+12V	0A	5.0A	8.5A	+12.0V~+12.1V	+11V~+13V	50mV	83%
SNP-B068	+15V	0A	4.0A	6.5A	+15.0V~+15.2V	+14V~+16V	50mV	83%
SNP-B069	+24V	0A	2.5A	5.0A	+24.0V~+24.2V	+22V~+30V	50mV	85%
SNP-B105	+18V	0A	5.6A	8.0A	+18.0V~+18.2V	+17V~+19V	50mV	85%
SNP-B107	+12V	0A	8.3A	12.0A	+12.0V~+12.1V	+11V~+13V	50mV	85%
SNP-B108	+15V	0A	6.7A	10.0A	+15.0V~+15.2V	+14V~+16V	50mV	85%
SNP-B109	+24V	0A	4.2A	6.0A	+24.0V~+24.2V	+22V~+30V	50mV	84%
SNP-B155	+18V	0A	8.3A	10.7A	+18.0V~+18.2V	+17V~+19V	50mV	85%
SNP-B157	+12V	0A	12.5A	16.0A	+12.0V~+12.1V	+11V~+13V	50mV	85%
SNP-B158	+15V	0A	10.0A	13.0A	+15.0V~+15.2V	+14V~+16V	50mV	85%
SNP-B159	+24V	0A	6.5A	8.0A	+24.0V~+24.2V	+22V~+30V	50mV	85%
SNP-B205	+18V	0A	11.0A	16.5A	+18.0V~+18.2V	+17V~+19V	50mV	85%
SNP-B207	+12V	0A	16.7A	25.0A	+12.0V~+12.2V	+11V~+13V	50mV	85%
SNP-B208	+15V	0A	13.3A	20.0A	+15.0V~+15.2V	+14V~+16V	50mV	85%
SNP-B209	+24V	0A	8.3A	10.0A	+24.0V~+24.2V	+22V~+30V	50mV	85%
SNP-B305	+18V	0A	16.7A	26.7A	+18.0V~+18.2V	+14V~+16V	100mV	89%
SNP-B307	+12V	0A	23.0A	37.44A	+12.0V~+12.2V	+11V~+13V	100mV	85%
SNP-B308	+15V	0A	18.5A	32.0A	+15.0V~+15.2V	+14V~+16V	100mV	85%
SNP-B309	+24V	0A	11.66A	15.0A	+24.0V~+24.2V	+22V~+30V	50mV	85%

Notes

All specifications without special notices are defined at nominal line, rated load and 25°C.

- Initial accuracy is set at 60% rated load and 115VAC input.
- Peak load can last 10 seconds.
- Output could be adjusted through potentiometer, but total output power should be kept under rated power (initial accuracy x rated current).
- Ripple & Noise is defined with 15MHz BWL oscilloscope and 1X probe with 0.47uF output capacitor.
- All specifications subject to change without notice.
- This datasheet is only for model selection. Please contact sales@skynetpower.com.tw for formal specificaion.

contact@simpex.ch www.simpex.ch



SNP-B Series

x.ch SIMPE electronic Machinery ITE & Medical 40W to 300W

General Specifications

— Input & Output —		— <i>EMC</i> —	
Input voltage range	90VAC to 264VAC	Emission	FCC/CISPR, level B
Label voltage	100VAC to 240VAC	Harmonic currents	EN61000-3-2*
Nominal line voltage	115VAC / 230VAC	ESD	EN61000-4-2, criterion A
Input frequency range	47Hz to 63Hz		6kV contact, 8kV air discharge
Inrush current*	<30A at 115VAC, <60A at 230VAC	Radiated immunity	EN61000-4-3
Line/Load regulation	<±1%		10V/M with 80% AM, creiterion A
Hold-up time	20ms typ.	EFT/Burst	EN61000-4-4, 2kV, criterion A
		Surge	EN61000-4-5, 1kV L-L, 2kV L-E, criterion A
- Protection -		Conducted immunity	EN61000-4-6
Over Voltage*	Latch-off		10V with 80% AM, criterion A
Over Load/Short	Auto-recovery	MS	EN61000-4-8, 10A/m, criterion A
Over Temperature	Auto-recovery	Voltage dips	EN61000-4-11
Other Protections	See notes		30% dips 10ms, criterion B
			60% dips 100ms, criterion C
— Environmental —			95% dips 5000ms, criterion C
Operating temperature	-20°C to +70°C		
Cooling	Convection cooling	- Safety -	
Power derating	Refer to Power Derating Curve	Approvals	60950-1, 1 st /2 nd edition (TUV, UL, CSA)
Storage temperature	-20°C to +85°C		60601-1, 2 nd /3 rd edition (TUV, UL, CSA)
Relative humidity	5% to 90% RH, non-condensing		CB Report, CE Mark
Operating altitude	0 to 2000m	- Function -	
		Green LED	For power on indication, near terminal blocks
		Potentiometer	For output adjustment

Notes

- All specifications without special notices are defined at nominal line, rated load and 25°C.
- Inrush current is defined at 25°C cold start and EMI capacitors are excluded.
- Over voltage protection mode is defined at 60% rated load.
- This product shall not be damaged when input voltage is below 90VAC or AC input is cycling ON/OFF.
- Harmonic currents level is "class D" for SNP-B10/B15/B20/B30, and "class A" for SNP-B04/B06.
- All specifications subject to change without notice.
- Conditions of safety approvals are different from models. Please contact Skynet for detailed information.

Power Derating Curve (SNP-B30x)



Output Pin (SNP-B04/B06/B10)

Pin No.	1	2	3	4	5
Pin assignment	L	Ν	PE	GND	+V

Output Pin (SNP-B15/B20/B30)

Pin No.	1	2	3	4	5	6	7
Pin assignment	L	Ν	PE	GND	GND	+V	+V

Power Derating Curve (other models)



Connector type*

- TB1 input/output : Terminal blocks
- TB2 remote sense : 2pin WAGO connector

- For all connectors, equivalent types from other vendors could be used.
- This product is RoHS compliant.



contact@simpex.ch www.simpex.ch



SNP-B Series





R

SNP-B04

kvnet

THE RELIABLE SOURCE



SNP-B10



SNP-B04

Dimensions

• WxLxH

: 85 x 200 x 35 (mm)

Packing

- Net weight •
- 280g approx./unit : 578(L) x 366(W) x 271(H) :
- Carton size (mm) Quantity
- 40 units / carton ÷
- Gross weight •
- 14.8kg approx./carton

:

:

SNP-B06

- **Dimensions**
- WxLxH •
- 85 x 130 x 35 (mm)

345g approx./unit

541(L) x 392(W) x 271(H)

Packing

- Net weight
 - Carton size (mm) :
- Quantity Gross weight
- 2 32 units / carton
- 13.8kg approx./carton 1

SNP-B10

Dimensions

- WxLxH
- : 85 x 160 x 35 (mm)

510g approx./unit

20 units / carton

458(L) x 360(W) x 264(H)

Packing

- Net weight •
- Carton size (mm)
- Quantity
- Gross weight •
- : 13.2kg approx./carton :

·

- Dimensions in graph above are shown in mm.
- Tolerance is ±0.4mm for distance between mounting holes. and ±0.8mm for other dimensions.
- Din Rail Fixture:



contact@simpex.ch www.simpex.ch

30.0



N E RTN RTN +V +V +S −S □ TB2

SNP-B Series

SNP-B20

40W to 300W

SNP-B30

150.0





For M4x0.7 screw

BOTTOM

125.0

Chassis Mounting screw

Screw protrusion customer system

4.0 max.

0

50.0

20.0

0

+ 30.0



SNP-B15

Dimensions

• WxLxH

Packing

- Net weight • Carton size (mm)
- 645g approx./unit 512(L) x 376(W) x 295(H) :

: 100 x 190 x 41 (mm)

- Quantity
- : 20 units / carton

100 x 210 x 42 (mm)

16.7kg approx./carton Gross weight :

:

SNP-B20

- **Dimensions**
- WxLxH •

Packing

Net weight 750g approx./unit • : Carton size (mm) : 527(L) x 322(W) x 294(H) •

·

- Quantity •
- 14 units / carton :
- Gross weight 12.6kg approx./carton :

SNP-B30

Dimensions

- WxLxH

Packing

- Net weight •
- Carton size (mm) Quantity
 - 10 units / carton

: 100 x 230 x 42 (mm)

1000g approx./unit

396(L) x 341(W) x 295(H)

Gross weight : 13kg approx./carton

Notes

•

•

• Dimensions in graph above are shown in mm.

÷

:

- Tolerance is ±0.4mm for distance between mounting • holes, and ±0.8mm for other dimensions.
- Din Rail Mounting Fixture: •



•

contact@simpex.ch www.simpex.ch

ROHS A THE CECBFC





SNP-C03 Series

Rated 30W Peak 45W



Features

- Machinery Box type
- ITE Safety Approval
- Power On LED indication
- Cost effective

Model Selection

Model No.	Output Rail	Min	Load Rated	Peak*	Initial Accuracy*	Ripple& Noise*	Efficiency
SNP-C03B*	+3.3V	0A	6.0A	9.0A	+3.27V~+3.33V	50mVpp	75%
SNP-C036	+5V	0A	6.0A	9.0A	+5.00V~+5.05V	1%	82%
SNP-C037	+12V	0A	2.5A	3.75A	+11.95V~+12.05V	1%	80%
SNP-C038*	+15V	0A	2.0A	3.0A	+14.95V~+15.05V	1%	84%
SNP-C039	+24V	0A	1.3A	1.9A	+23.9V~+24.1V	1%	80%
SNP-C03T	+48V	0A	0.63A	0.95A	+47.8V~+48.2V	0.5%	83%

General Specifications

— Input & Output —		— <i>EMC</i> —	
Input voltage range	85VAC to 264VAC	Emission	FCC/CISPR, level B
Label voltage	100VAC to 240VAC	Harmonic currents	EN61000-3-2, class A
Nominal line voltage	115VAC/230VAC	ESD	EN61000-4-2, criterion A
Input frequency range	47Hz to 63Hz		4kV contact, 8kV air discharge
Inrush current*	<30A at 115VAC, <60A at 230VAC	Radiated immunity	EN61000-4-3
Line/Load regulation	<±1%		10V/M with 80% AM, creiterion A
Hold-up time	20ms typ.	EFT/Burst	EN61000-4-4, 4kV, criterion A
		Surge	EN61000-4-5
- Protection -			1kV L-L, 2kV L-E, criterion A
Over Voltage*	Latch-off	Conducted immunity	EN61000-4-6
Over Load/Short	Auto-recovery		10V with 80% AM, criterion A
		MS	EN61000-4-8, 3A/m, criterion A
- Environmental -		Voltage dips	EN61000-4-11
Operating temperature	-20°C to +70°C		30% dips 10ms, criterion A
Cooling	Convection cooling		60% dips 100ms, criterion C
Power derating	Refer to Power Derating Curve		95% dips 5000ms, criterion C
Storage temperature	-40°C to +75°C		
Relative humidity	10% to 90% RH, non-condensing	- Safety -	
Operating altitude	0 to 2000m	Approvals*	60950-1, 1 st edition (UL, CUL)
			EN60950-1, 2 nd edition (TUV)
			IEC60950-1, 1 st edition (CB Report)
			CE Mark

- All specifications without special notices are defined at nominal line, rated load and 25°C.
- SNP-C03B/C038 are safety compliant but without approvals.
- Initial output voltage is set at 60% rated load and 115VAC input.
- Peak load can last 8 seconds.
- Inrush current is defined at 25°C cold start and EMI capacitors are excluded.
- Over voltage protection mode is defined at 60% rated load.
- Ripple & Noise is defined with 15MHz BWL oscilloscope and 1X probe with 0.47uF+10uF output capacitor for each output.
- All specifications subject to change without notice.
- This datasheet is only for model selection. Please contact sales@skynetpower.com.tw for formal specificaion.

contact@simpex.ch 🔁 www.simpex.ch



SNP-C03 Series

Rated 30W Peak 45W



®

kynet

THE RELIABLE SOURCE





customer system Mounting screw Chassis



Output Pin

TB2	1	2	3	4	5
Pin assignment	L	Ν	PE	GND	+V

Connector type*

• TB1 input/output : Terminal blocks

Dimensions

WxLxH

: 2" x 3.54" x 1.142" 51 x 90 x 29 (mm)

180g approx./unit

Packing

- Net weight
- Carton size (mm)
- : 473(L) x 297(W) x 221(H) Quantity :
 - 60 units / carton Gross weight 13.2kg approx./carton 1

Notes

Dimensions in left graph are shown in mm. •

:

- Tolerance is ±0.4mm for distance between mounting holes, and ±0.8mm for other dimensions.
- This product is RoHS compliant.

Power Derating Curve (SNP-C03B/8/9)



Power Derating Curve (SNP-C036/7/T)



contact@simpex.ch 🔁 www.simpex.ch





SNP-C04 Series

Rated 40W Peak 60W



Features

- Machinery Box type
- **ITE Safety Approvals**
- Power On LED indication
- Cost effective

Model Selection

Madal Na			Lo	ad		Initial	Ripple&	Load	Efficiency
Model No.		Min	Rated	Max*	Peak*	Accuracy*	Noise*	Regulation	Eniciency
SNP-C04B*	+3.3V	0A	9A		11A	+3.27V~+3.33V	50mV	±1%	75%
SNP-C046	+5V	0A	7A		10.5A	+5.00V~+5.05V	1%	±1%	75%
SNP-C047	+12V	0A	3A		4.5A	+11.95V~+12.05V	1%	±1%	80%
SNP-C048	+15V	0A	2.4A		3.6A	+14.95V~+15.05V	1%	±1%	85%
SNP-C049*	+24V	0A	1.7A		2.5A	+23.9V~+24.1V	1%	±1%	83%
SNP-C04T*	+48V	0A	0.8A		1.2A	+45.6V~+50.4V	0.5%	±1%	80%
	+5V	0A	4A	6A	8A	+4.95V~+5.05V	1%	±2%	010/
SNP-0043	+12V	0A	1.5A	2A	ЗA	+11.4V~+12.6V	1%	±3%	0170
	+5V	0A	3A	5A	7A	+4.95V~+5.05V	1%	±2%	020/
SNF-CU4A	+24V	0A	1A	1.5A	2A	+22.8V~+25.2V	1%	±2%	03%

General Specifications

— Input & Output —		- EMC -	
Input voltage range	85VAC to 264VAC	Emission	FCC/CISPR, level B
Label voltage	100VAC to 240VAC	Harmonic currents	EN61000-3-2, class A
Nominal line voltage	115VAC/230VAC	ESD	EN61000-4-2, criterion A
Input frequency range	47Hz to 63Hz		4kV contact, 8kV air discharge
Inrush current*	<30A at 115VAC, <60A at 230VAC	Radiated immunity	EN61000-4-3
Line regulation	<±1%		10V/M with 80% AM, criterion A
Hold-up time	16ms typ.	EFT/Burst	EN61000-4-4, 4kV, criterion A
		Surge	EN61000-4-5, 1kV L-L, 2kV L-E, criterion A
- Protection -		Conducted immunity	EN61000-4-6, 10V with 80% AM, criterion A
Over Voltage*	Latch-off	MS	EN61000-4-8, 3A/m, criterion A
Over Load/Short	Auto-recovery	Voltage dips	EN61000-4-11
			30% dips 10ms, criterion A
— Environmental —			60% dips 100ms, criterion C
Operating temperature	-20°C to +70°C		95% dips 5000ms, criterion C
Cooling	Convection cooling		
Power derating	Refer to Power Derating Curve	- Safety -	
Storage temperature	-40°C to +75°C	Approvals	UL60950-1, 1 st edition (UL, CUL)
Relative humidity	10% to 90% RH, non-condensing		EN60950-1, 2 nd edition (TUV)
Operating altitude	0 to 2000m		IEC60950-1, 1 st edition (CB Report)
			CE Mark

- All specifications without special notices are defined at nominal line, rated load and 25°C. SNP-C04B is safety compliant but without approvals. For SNP-C049/C04T, output can be adjusted up to +10% through potentiometer. For SNP-C043, max combination load is 38W/continuous and 57W/peak. For SNP-C04A, max combination load is 39W/continuous and 57W/peak. Initial output voltage is set at 60% rated load and 115VAC input. Peak load can last 8 sec. Inrush current is defined at 25°C cold start and EMI capacitors are excluded. Over voltage protection mode is defined at 60% rated load

- Over voltage protection mode is defined at 60% rated load.
- Ripple & Noise is defined with 15MHz BWL oscilloscope and 1X probe with 0.47uF+10uF output capacitor. •
- All specifications subject to change without notice. This datasheet is only for model selection. Please contact sales@skynetpower.com.tw for formal specification.

contact@simpex.ch www.simpex.ch



kynet ®

SNP-C04 Series

Rated 40W Peak 60W



Screw protrusion limitation





Suggest screw torque:6kg-cm

Output Pin

PIN NO.	1	2	3	4	5	6
SNP-C043	L	Ν	PE	+12V	GND	+5V
SNP-C04A	L	Ν	PE	+24V	GND	+5V
Other models	L	Ν	PE	GND	+V	

Connector type*

• TB1 input/output

: Terminal blocks

Dimensions

• WxLxH

: 3.22" x 3.89" x 1.42" 82 x 99 x 36 (mm)

Packing

- Net weight
- Carton size (mm)

Gross weight

- Quantity
- : 463(L) x 316(W) x 287(H) : 40 units / carton
- : 13.5kg approx./carton

: 315g approx./unit

Notes

•

•

- Dimensions in left graph are shown in mm.
- Tolerance is ±0.4mm for distance between mounting holes, and ±0.8mm for other dimension.
- This product is RoHS compliant.



contact@simpex.ch 🔁 www.simpex.ch





SNP-C06 Series

Peak **90W**

60W

Rated



Features

- Machinery Box type
- ITE Safety Approval
- Power On LED indication
- Cost effective

Model Selection

Madal Na			Lo	ad		Initial	Ripple&	Load	Efficiency
Model No.		Min	Rated	Max*	Peak*	Accuracy*	Noise*	Regulation	Eniciency
SNP-C06B	+3.3V	0A	15A		20A	+3.27V~+3.33V	50mV	±1%	77%
SNP-C066	+5V	0A	10A		18A	+5.00V~+5.05V	1%	±1%	80%
SNP-C067	+12V	0A	5A		7.5A	+11.95V~+12.05V	1%	±1%	84%
SNP-C068	+15V	0A	4A		6A	+14.95V~+15.05V	1%	±1%	83%
SNP-C069	+24V	0A	2.5A		3.8A	+23.9V~+24.1V	1%	±1%	85%
SNP-C06T	+48V	0A	1.3A		1.9A	+47.8V~+48.2V	0.5%	±1%	86%
SND CO62	+5V	0A	6A	8A	10A	+4.95V~+5.05V	1%	±2%	910/
SNF-C003	+12V	0A	2A	3A	4A	+11.4V~+12.6V	1%	±2%	0170
	+5V	0A	4A	5A	6A	+4.98V~+5.02V	1%	±2%	020/
SNF-COOA	+24V	0A	1.5A	2A	3A	+22.8V~+25.2V	1%	±2%	0370
	+5V	0A	5A	7A	8A	+4.95V~+5.05V	1%	±2%	
	+12V	0A	1.5A	2A	3A	+11.4V~+12.6V	1%	±2%	900/
SNF-C000	-5V	0A	0.5A	1A		-4.9V~-5.25V	1%	±3%	00 70
	-12V	0A	0.5A	1A		-11.4V~-12.6V	1%	±3%	
	+5V	0A	5A	7A	8A	+4.95V~+5.05V	1%	±2%	
	+15V	0A	1.2A	2A	2.7A	+14.25V~+15.75V	1%	±2%	80%
SNF-C004	-5V	0A	0.5A	1A		-4.9V~-5.25V	1%	±3%	00 %
	-15V	0A	0.5A	1A		-14.25V~-15.75V	1%	±3%	
	+5V	0A	3A	5A	6A	+4.95V~+5.05V	1%	±2%	
	+12V	0A	0.9A	2A	3A	+11.4V~+12.6V	1%	±2%	020/
SINF -000F	+24V	0A	0.9A	1.5A	2A	+22.8V~+25.2V	1%	±3%	0370
	-12V	0A	0.5A	1A		-11.4V~-12.6V	1%	±3%	

General Specifications

— Input & Output —		— <i>EMC</i> —	
Input voltage range	85VAC to 264VAC	Emission	FCC/CISPR, level B
Label voltage	100VAC to 240VAC	ESD	EN61000-4-2, criterion A
Nominal line voltage	115VAC/230VAC		4kV contact, 8kV air discharge
Input frequency range	47Hz to 63Hz	Radiated immunity	EN61000-4-3
Inrush current*	<30A at 115VAC, <60A at 230VAC		10V/M with 80% AM, criterion A
Line regulation	<±1%	EFT/Burst	EN61000-4-4, 4kV, criterion A
Hold-up time	16ms typ.	Surge	EN61000-4-5, 1kV L-L, 2kV L-E, criterion A
		Conducted immunity	EN61000-4-6, 10V with 80% AM, criterion A
- Protection -		MS	EN61000-4-8, 3A/m, criterion A
Over Voltage*	Latch-off	Voltage dips	EN61000-4-11
Over Load/Short	Auto-recovery		30% dips 10ms, criterion A
			60% dips 100ms, criterion C
- Environmental -			95% dips 5000ms, criterion C
Operating temperature	-20°C to +70°C		
Cooling	Convection cooling	– Safety –	
Power derating	Refer to Power Derating Curve	Approvals	UL60950-1, 1 st edition (UL, CUL)
Storage temperature	-40°C to +75°C		EN60950-1, 2 nd edition (TUV)
Relative humidity	10% to 90% RH, non-condensing		IEC60950-1, 1 st edition (CB Report)
Operating altitude	0 to 2000m		CE Mark

Notes

All specifications without special notices are defined at nominal line, rated load and 25°C.

All specifications without special notices are defined at notification and 2. For multiple output models, max combination load is 50W/continuous and 80W/peak. All single output models have +10% output adjustable range through potentiometer. Initial output voltage is set at 60% rated load and 115VAC input. Peak load can last 8 sec.

. •

•

- Inrush current is defined at 25°C cold start and EMI capacitors excluded.
- •
- •

Over voltage protection mode is defined at 60% rated load. Ripple & Noise is defined with 15MHz BWL oscilloscope and 1X probe with 0.47uF+10uF output capacitor.

contact@simpex.ch www.simpex.ch



SNP-C06 Series

Rated 60W Peak 90W



®

cvnet

THE RELIABLE SOURCE

Screw protrusion limitation



Output Pin

PIN NO.	1	2	3	4	5	6	7	8
SNP-C060	L	Ν	PE	-12V	-5V	+12V	GND	+5V
SNP-C064	L	Ν	PE	-15V	-5V	+15V	GND	+5V
SNP-C06F	L	Ν	PE	-12V	+24V	+12V	GND	+5V
SNP-C063	L	Ν	PE	GND	+12V	GND	+5V	
SNP-C06A	L	Ν	PE	GND	+24V	GND	+5V	
Other models	L	Ν	PE	GND	+V			

Connector type

- TB1 input/output
- TB2 DC output
- : Terminal blocks : Molex 5045-02A
 - Molex 5045-02A (Single output models)

Dimensions

•

WxLxH : 3.74" x 3.93" x 1.42" 95 x 100 x 36 (mm)

Packing

Net weight : 390g approx./unit

:

- Carton size (mm)
 - Quantity
- : 30 units / carton

403(L) x 313(W) x 278(H)

Gross weight : 14.2kg approx./carton

Notes

•

- For all connectors, equivalent types from other vendors could be used.
- Dimensions in left graph are shown in mm.
- Tolerance is ±0.4mm for distance between mounting holes, and ±0.8mm for other dimension.
- This product is RoHS compliant.

Power Derating Curve (SNP-C064/6/7/F)



Power Derating Curve (SNP-C063/8/9/A)



contact@simpex.ch 🛃 www.simpex.ch





SNP-C08 Series

Rated 80W Peak 120W



Features

- Machinery Box type
- ITE Safety Approval
- Power On LED indication
- Cost effective

Model Selection

Madal Na	Outrout Dail		Lo	ad		Initial	Ripple&	Load	Efficience.
wodel no.		Min	In Rated Max* Peak* Accuracy*		Noise*	Regulation	Eniciency		
SNP-C08B	+3.3V	0A	17A		27A	+3.27V~+3.33V	50mV	±1%	80%
SNP-C086	+5V	0A	14A		23A	+5.00V~+5.05V	1%	±1%	80%
SNP-C087	+12V	0A	7A		10.5A	+11.95V~+12.05V	1%	±1%	85%
SNP-C088	+15V	0A	5.3A		8A	+14.95V~+15.05V	1%	±1%	84%
SNP-C089	+24V	0A	3.3A		5A	+23.9V~+24.1V	0.5%	±1%	86%
SNP-C08T	+48V	0A	1.7A		2.6A	+47.85V~+48.15V	0.5%	±1%	87%
	+5V	0A	7A	10A	12A	+4.95V~+5.05V	1%	±2%	020/
SNF-0003	+12V	0A	3A	4A	5A	+11.4V~+12.6V	1%	±2%	0370
	+5V	0A	5A	8A	10A	+4.98V~+5.02V	1%	±2%	020/
SINF-CUOA	+24V	0A	2A	3A	4A	+22.8V~+25.2V	1%	±2%	0370
	+5V	0A	6A	8A	10A	+4.95V~+5.05V	1%	±3%	
	+12V	0A	2.5A	4A	5A	+11.4V~+12.6V	1%	±3%	Q10 /
SNF-0000	-5V	0A	0.5A	1A		-4.9V~-5.25V	1%	±3%	0170
	-12V	0A	0.5A	1A		-11.4V~-12.6V	1%	±3%	
	+5V	0A	6A	8A	10A	+4.95V~+5.05V	1%	±2%	
SND CO84	+15V	0A	2A	3A	4A	+14.25V~+15.75V	1%	±2%	900/
SNF-C004	-5V	0A	0.5A	1A		-4.90V~-5.25V	1%	±3%	00 %
	-15V	0A	0.5A	1A		-14.25V~-15.75V	1%	±3%	
	+5V	0A	4A	6A	8A	+4.95V~+5.05V	1%	±2%	
	+12V	0A	1.5A	3A	4A	+11.4V~+12.6V	1%	±2%	020/
SINF-CUOF	+24V	0A	1A	1.5A	2.5A	+22.8V~+25.2V	1%	±3%	0370
	-12V	0A	0.5A	1A		-11.4V~-12.6V	1%	±3%	

General Specifications

— Input & Output —		- EMC -	
Input voltage range	85VAC to 264VAC	Emission	FCC/CISPR, level B
Label voltage	100VAC to 240VAC	Harmonic currents	EN61000-3-2, class A
Nominal line voltage	115VAC/230VAC	ESD	EN61000-4-2, criterion A
Input frequency range	47Hz to 63Hz		4kV contact, 8kV air discharge
Inrush current*	<30A at 115VAC, <60A at 230VAC	Radiated immunity	EN61000-4-3
Line regulation	<±1%		10V/M with 80% AM, criterion A
Hold-up time	16ms typ.	EFT/Burst	EN61000-4-4, 4kV, criterion A
		Surge	EN61000-4-5, 1kV L-L, 2kV L-E, criterion A
- Protection -		Conducted immunity	EN61000-4-6, 10V with 80% AM, criterion A
Over Voltage*	Latch-off	MS	EN61000-4-8, 3A/m, criterion A
Over Load/Short	Auto-recovery	Voltage dips	EN61000-4-11
			30% dips 10ms, criterion A
— Environmental —			60% dips 100ms, criterion C
Operating temperature	-20°C to +70°C		95% dips 5000ms, criterion C
Cooling	Convection cooling		
Power derating	Refer to Power Derating Curve	– Safety –	
Storage temperature	-40°C to +75°C	Approvals	UL60950-1, 1 st edition (UL, CUL)
Relative humidity	10% to 90% RH, non-condensing		EN60950-1, 2 nd edition (TUV)
Operating altitude	0 to 2000m		IEC60950-1, 2 nd edition (CB Report)
			CE Mark

Notes

All specifications without special notices are defined at nominal line, rated load and 25°C. For all multiple output models, max combination load is 68W/continuous & 103W/peak for all outputs. All single output models have +10% output ajustable range through potentiometer. Initial output voltage is set at 60% rated load and 115VAC input. •

All specifications subject to change without notice. This datasheet is only for model selection. Please contact sales@skynetpower.com.tw for formal specification.

Peak load can last 8 sec. Inrush current is defined at 25°C cold start and EMI capacitors excluded. Over voltage protection mode is defined at 60% rated load. Ripple & Noise is defined with 15MHz BWL oscilloscope and 1X probe with 0.47uF+10uF output capacitor for each output. •

contact@simpex.ch 🔁 www.simpex.ch





SNP-C08 Series

Rated 80W Peak 120W



Screw protrusion limitation



Output Pin

PIN NO.	1	2	3	4	5	6	7	8
SNP-C080	L	Ν	PE	-12V	-5V	+12V	GND	+5V
SNP-C084	L	Ν	PE	-15V	-5V	+15V	GND	+5V
SNP-C08F	L	Ν	PE	-12V	+24V	+12V	GND	+5V
SNP-C083	L	Ν	PE	GND	+12V	GND	+5V	
SNP-C08A	L	Ν	PE	GND	+24V	GND	+5V	
Other models	L	Ν	PE	GND	+V			

Connector type*

- : Terminal blocks
- TB1 input/output TB2 remote sense
- : Molex 5045-02A
- (Single output models)

Dimensions

•

- WxLxH : 3.74" x 5.07" x 1.42" •
 - 95 x 129 x 36 (mm)

: 460g approx./unit

: 403(L) x 373(W) x 278(H)

Packing

- Net weight
- Carton size (mm)
- Quantity

•

- : 30 units / carton Gross weight : 16.8kg approx./carton
- **Notes**
- For all connectors equivalent types from other • vendors could be used.
- Dimensions in left graph are shown in mm. •
- Tolerance is ±0.4mm for distance between mounting holes, and ±0.8mm for other dimension.
- This product is RoHS compliant. •



contact@simpex.ch 🛃 www.simpex.ch





SNP-C10 Series

Rated 100W Peak 150W



Features

- Machinery Box type
- Built-in Active PFC
- ITE Safety Approval Power On LED indication .
- Cost effective .

Model Selection

			Lo	ad		Initial	Ripple&	Load		
Model No.	Output Rail	Min	Rated	Max*	Peak*	Accuracy*	Noise*	Regulation	Emiciency	
SNP-C106	+5V	0A	18A		30A	+4.95V~+5.05V	1%	±1%	84%	
SNP-C107	+12V	0A	9A		13.5A	+11.95V~+12.05V	1%	±1%	84%	
SNP-C108	+15V	0A	7A		10.5A	+14.95V~+15.05V	1%	±1%	85%	
SNP-C109	+24V	0A	4.5A		6.8A	+23.9V~+24.1V	1%	±1%	85%	
SNP-C10T	+48V	0A	2.3A		3.4A	+47.8V~+48.2V	1%	±1%	85%	
SND C102	+5V	0A	8A	10A	12A	+4.95V~+5.05V	1%	±3%	000/	
SNP-C103	+12V	0A	4.5A	6A	8A	+11.4V~+12.6V	1%	±3%	00%	
	+5V	0A	7A	10A	12A	+4.95V~+5.05V	1%	±3%	020/	
SNP-CTUA	+24V	0A	2.5A	3A	4A	+22.8V~+25.2V	1%	±3%	03%	
	+5V	0A	7A	10A	15A	+4.95V~+5.05V	1%	±3%		
SND C100	+12V	0A	4A	5A	7A	+11.4V~+12.6V	1%	±3%	900/	
SNF-C100	-5V	0A	0.5A	1A		-4.90V~-5.25V	1%	±3%	00 /0	
	-12V	0A	0.5A	1A		-11.4V~-12.6V	1%	±3%		
	+5V	0A	7A	10A	15A	+4.95V~+5.05V	1%	±3%		
SND C104	+15V	0A	3A	4A	6A	+14.25V~+15.75V	1%	±3%	000/	
SNP-C104	-5V	0A	0.5A	1A		-4.90V~-5.25V	1%	±3%	00%	
	-15V	0A	0.5A	1A		-14.25V~-15.75V	1%	±3%		
	+5V	0A	5A	8A	10A	+4.95V~+5.05V	1%	±3%		
	+12V	0A	2A	4A	5A	+11.4V~+12.6V	1%	±3%	0.00/	
SINF-CIUF	+24V	0A	1.5A	1.5A	3A	+22.8V~+25.2V	1%	±3%	02%	
	-12V	0A	0.5A	1A		-11.4V~-12.6V	1%	±3%		

General Specifications

— Input & Output —		— <i>EMC</i> —	
Input voltage range	85VAC to 264VAC	Emission	FCC/CISPR, level B
Label voltage	100VAC to 240VAC	Harmonic currents	EN61000-3-2, class D
Nominal line voltage	115VAC/230VAC	ESD	EN61000-4-2, criterion A
Input frequency range	47Hz to 63Hz		4kV contact, 8kV air discharge
Inrush current*	<30A at 115VAC, <60A at 230VAC	Radiated immunity	EN61000-4-3
Line regulation	<±1%		10V/M with 80% AM, criterion A
Hold-up time	16ms typ.	EFT/Burst	EN61000-4-4, 4kV, criterion A
		Surge	EN61000-4-5, 1kV L-L, 2kV L-E, criterion A
- Protection -		Conducted immunity	EN61000-4-6, 10V with 80% AM, criterion A
Over Voltage*	Latch-off	MS	EN61000-4-8, 3A/m, criterion A
Over Load/Short	Auto-recovery	Voltage dips	EN61000-4-11
			30% dips 10ms, criterion A
- Environmental -			60% dips 100ms, criterion C
Operating temperature	-20°C to +70°C		95% dips 5000ms, criterion C
Cooling	Convection cooling		
Power derating	Refer to Power Derating Curve	– Safety –	
Storage temperature	-40°C to +75°C	Approvals	UL60950-1, 1 st edition (UL, CUL)
Relative humidity	10% to 90% RH, non-condensing		EN60950-1, 2 nd edition (TUV)
Operating altitude	0 to 2000m		IEC60950-1, 2 nd edition (CB Report)
			CE Mark

Notes

- All specifications without special notices are defined at nominal line, rated load and 25°C. For all multiple output models, max combination load is 91W/continuous and 130W/peak for all outputs. SNP-C106/C107/C108/C109/C10T have +10% output adjustable range through potentiometer. SNP-C103/C104/C10F are safety compliant but without approvals. Initial output voltage is set at 60% rated load and 115VAC input.

- •
- Peak load can last 8 sec. Inrush current is defined at 25°C cold start and EMI capacitors are excluded. Over voltage protection mode is defined at 60% rated load. Ripple & Noise is defined with 15MHz BWL oscilloscope and 1X probe with 0.47uF+10uF output capacitor for each output.

All specifications subject to change without notice. This datasheet is only for model selection. Please contact sales@skynetpower.com.tw for formal specificaion.

Product Manager: Eric Technical Supervisor: Eric

contact@simpex.ch 🔁 www.simpex.ch



SNP-C10 Series

Rated 100W Peak 150W



®

kvnet

THE RELIABLE SOURCE

Output Pin

PIN NO.	1	2	3	4	5	6	7	8
SNP-C100	L	Ν	PE	-12V	-5V	+12V	GND	+5V
SNP-C104	L	Ν	PE	-15V	-5V	+15V	GND	+5V
SNP-C10F	L	Ν	PE	-12V	+24V	+12V	GND	+5V
SNP-C103	L	Ν	PE	GND	+12V	GND	+5V	
SNP-C10A	L	Ν	PE	GND	+24V	GND	+5V	
Other models	L	Ν	PE	GND	GND	+V	+V	

Connector type

•

- : Terminal Blocks
- TB1 input/output TB2 remote sense
- Molex 5045-02A ÷
- (Single output models)

Dimensions

- WxLxH : 3.74" x 6.25" x 1.42" . 95 x 159 x 36 (mm)

Packing

Net weight Carton size (mm)

Gross weight

- : 430(L) x 306(W) x 251(H)
- Quantity
- 20 units / carton : : 14.6kg approx./carton

: 610g approx./unit

Notes

•

- For all connectors, equivalent types from other • vendors could be used.
- Dimensions in left graph are shown in mm.
- Tolerance is ±0.4mm for distance between mounting holes, and ±0.8mm for other dimension.
- This product is RoHS compliant. •



contact@simpex.ch 🔁 www.simpex.ch





SNP-C15 Series

Rated 150W Peak 220W



Features

- Machinery Box type
- Built-in Active PFC
- ITE Safety Approval
- Cost effective

Model Selection

			Lo	ad		Initial	Ripple&	Load	
Model No.	Output Rail	Min	Min Rated Max Peak*			Accuracy*	Noise*	Regulation	Efficiency
SNP-C157	+12V	0A	12.5A		19A	+11.95V~+12.05V	1%	±1%	85%
SNP-C158	+15V	0A	10A		15A	+14.95V~+15.05V	1%	±1%	85%
SNP-C159	+24V	0A	6.5A		10A	+23.9V~+24.1V	1%	±1%	85%
SNP-C15T	+48V	0A	3.2A		5A	+47.8V~+58.2V	0.5%	±1%	85%
SND C152	+5V	0A	12A	15A	18A	+4.95V~+5.05V	1%	±3%	000/
SINP-0100	+12V	0A	6A	8A	9A	+11.4V~+12.6V	1%	±3%	00%
SND C15A	+5V	0A	8A	10A	12A	+4.95V~+5.05V	1%	±3%	910/
SNP-CISA	+24V	0A	4A	5A	6A	+22.8V~+25.2V	1%	±3%	04 70
	+5V	0A	12A	15A	20A	+4.95V~+5.05V	1%	±3%	
SND C150	+12V	0A	5A	7A	10A	+11.4V~+12.6V	1%	±3%	020/
SINF-0150	-5V	0A	1A			-4.90V~-5.25V	1%	±3%	02 /0
	-12V	0A	0.5A	1A		-11.4V~-12.6V	1%	±3%	
	+5V	0A	11A	14A	20A	+4.95V~+5.05V	1%	±3%	
SND C154	+15V	0A	4A	6A	8A	+14.25V~+15.75V	1%	±3%	020/
SINP-0154	-5V	0A	1A			-4.90V~-5.25V	1%	±3%	83%
	-15V	0A	0.5A	1A		-14.25V~-15.75V	1%	±3%	
	+5V	0A	6A	8A	10A	+4.95V~+5.05V	1%	±3%	
SNP-C15F	+12V	0A	3A	4A	6A	+11.4V~+12.6V	1%	±3%	020/
	+24V	0A	2.5A	3A	5A	+22.8V~+25.2V	1%	±3%	03%
	-12V	0A	0.5A	1A		-11.4V~-12.6V	1%	±3%	

General Specifications

— Input & Output —		- EMC -	
Input voltage range	85VAC to 264VAC	Emission	FCC/CISPR, level B
Label voltage	100VAC to 240VAC	Harmonic currents	EN61000-3-2, class D
Nominal line voltage	115VAC/230VAC	ESD	EN61000-4-2, criterion A
Input frequency range	47Hz to 63Hz		4kV contact, 8kV air discharge
Inrush current*	<30A at 115VAC, <60A at 230VAC	Radiated immunity	EN61000-4-3
Line regulation	<±1%		10V/M with 80% AM, criterion A
Hold-up time	16ms typ.	EFT/Burst	EN61000-4-4, 4kV, criterion A
		Surge	EN61000-4-5, 1kV L-L, 2kV L-E, criterion A
- Protection -		Conducted immunity	EN61000-4-6, 10V with 80% AM, criterion A
Over Voltage*	Latch-off	MS	EN61000-4-8, 3A/m, criterion A
Over Load/Short	Auto-recovery	Voltage dips	EN61000-4-11
			30% dips 10ms, criterion A
— Environmental —			60% dips 100ms, criterion C
Operating temperature	-20°C to +70°C		95% dips 5000ms, criterion C
Cooling	Convection cooling		
Power derating	Refer to Power Derating Curve	- Safety -	
Storage temperature	-40°C to +75°C	Approvals	UL60950-1, 1 st edition (UL, CUL)
Relative humidity	10% to 90% RH, non-condensing		EN60950-1, 2 nd edition (TUV)
Operating altitude	0 to 2000m		IEC60950-1, 1 st edition (CB Report)
			CB Report, CE Mark

- All specifications without special notices are defined at nominal line, rated load and 25°C. For all multiple output models, max combination load for peak load is 200W. Max continuous combination load is 132W for SNP-C153/C15F, 136W for SNP-C15A, 131W for SNP-C150, and 127.5W for SNP-C154. All single output models have +10% output adjustable range through potentiometer. Initial output voltage is set at 60% rated load and 115VAC input. Peak load can last 8 sec. Inrush current is defined at 25°C cold start and EMI capacitors are excluded. Over voltage protection mode is defined at 60% rated load. Ripple & Noise is defined with 15MHz BWL oscilloscope and 1X probe with 0.47uF+10uF output capacitor for each output. All specifications subject to change without notice. This datasheet is only for model selection. Please contact sales@skynetpower.com.tw for formal specificaion.

- .

contact@simpex.ch www.simpex.ch





SNP-C15 Series

Rated 150W Peak 220W



Output Pin

PIN NO.	1	2	3	4	5	6	7	8
SNP-C150	L	Ν	PE	-12V	-5V	+12V	GND	+5V
SNP-C154	L	Ν	PE	-15V	-5V	+15V	GND	+5V
SNP-C15F	L	Ν	PE	-12V	+24V	+12V	GND	+5V
SNP-C153	L	Ν	PE	GND	+12V	GND	+5V	
SNP-C15A	L	Ν	PE	GND	+24V	GND	+5V	
Other models	L	Ν	PE	GND	GND	+V	+V	

Connector type

- TB1 input/output
- : Terminal blocks

Dimensions

- WxLxH
- : 3.74" x 7.83" x 1.5" 95 x 199 x 38 (mm)

: 770g approx./unit

20 units / carton

519(L) x 326(W) x 275(H)

18.8kg approx./carton

Packing

- Net weight
- Carton size (mm)
- Quantity
- Gross weight

Notes

- Dimensions in left graph are shown in mm.
- Tolerance is ±0.4mm for distance between mounting holes, and ±0.8mm for other dimension.

:

:

:

• This product is RoHS compliant.

