

# SPP-C Series

30~45W, 1~3 Output

Open Frame Power Supply



Mounting Hole: 60 x 119.9 mm  
2.36 x 4.72 inch  
Dimension: 130 x 70.1mm  
5.12 x 2.76 inch



(Only SPP-C040 with TUV mark.)

## Features:

- \* Light weight, compact size
- \* High efficiency, high reliability
- \* Low ripple noise
- \* Over load, voltage, short circuit protection
- \* 100% 50°C burn-in test
- \* UL, CSA, CE approved
- \* Meet EMI EN55022 & EMS EN55024 standard
- \* 1 years warranty

## Specification:

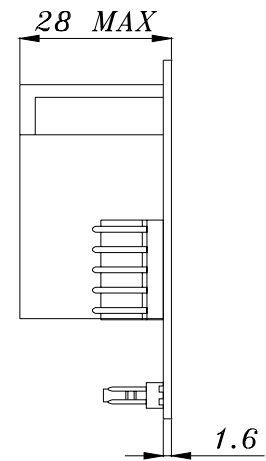
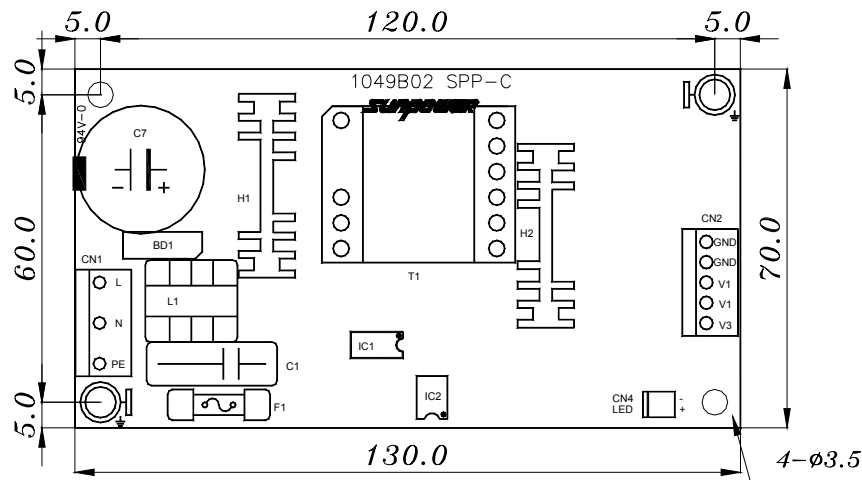
INPUT	Voltage	Universal full range 90 ~ 264 VAC.	
	Frequency	47 ----- 63 Hz	
	Current	SPP-C030 ~038	<0.8A@100V AC input.
		SPP-C040 ~048	<1.3A@100V AC input.
	Inrush Current	<30A@115V / <60A@230V AC input.	
Leakage Current	<1.5mA@264V, AC input.		

	MODEL	Voltage		Min. Load	Max. Load	Regulation	Ripple & Noise (MAX.)	Efficiency (TYP.)	Dimension (inch)
		V1	V2						
OUTPUT	SPP-C030	V1	+5V	0.3A	2.0A	± 3 %	50mV	68%	H 1.10
		V2	+12V	0.1A	1.5A	± 5 %	120mV		
		V3	-12V	0A	0.3A	± 10 %	120mV		
	SPP-C031	V1	+5V	0.3A	3.0A	± 3 %	50mV	68%	H 1.10
		V2	+12V	0.1A	1.0A	± 5 %	120mV		
		V3	-12V	0A	0.3A	± 10 %	100mV		
	SPP-C032	V1	+5V	0.3A	1.5A	± 3 %	50mV	71%	H 1.10
		V2	+15V	0.1A	1.2A	± 5 %	150mV		
		V3	-15V	0A	0.3A	± 10 %	150mV		
	SPP-C033	V1	+5V	0.3A	2.5A	± 3 %	50mV	70%	H 1.10
		V2	+12V	0.1A	1.5A	± 5 %	120mV		
	SPP-C034	V1	+5V	0.3A	2.0A	± 3 %	50mV	72%	H 1.10
		V2	+24V	0.1A	0.75A	± 5 %	240mV		
	SPP-C035	V1	+5V	0.3A	6.0A	± 2 %	70mV	67%	H 1.10
	SPP-C036	V1	+12V	0.1A	2.5A	± 2 %	120mV	70%	H 1.10
		V3	-12V	0A	0.3A	± 10 %	120mV		
	SPP-C037	V1	+5V	0.1A	2.0A	± 2 %	150mV	70%	H 1.10
		V3	-15V	0A	0.3A	± 10 %	150mV		
	SPP-C038	V1	+24V	0.1A	1.3A	± 1 %	240mV	75%	H 1.10
	SPP-C040	V1	+5V	0.3A	3.0A	± 3 %	50mV	70%	H 1.35
V2		+12V	0.1A	2.0A	± 5 %	120mV			
V3		-12V	0A	0.3A	± 10 %	120mV			
SPP-C041	V1	+5V	0.3A	4.0A	± 3 %	50mV	70%	H 1.35	
	V2	+12V	0.1A	1.5A	± 5 %	120mV			
	V3	-12V	0A	0.3A	± 10 %	120mV			
SPP-C042	V1	+5V	0.3A	3.0A	± 3 %	50mV	73%	H 1.35	
	V2	+15V	0.1A	1.5A	± 5 %	150mV			
	V3	-15V	0A	0.3A	± 10 %	150mV			
SPP-C043	V1	+5V	0.3A	4.0A	± 3 %	50mV	72%	H 1.35	
	V2	+12V	0.1A	2.0A	± 5 %	120mV			
SPP-C044	V1	+5V	0.3A	2.0A	± 3 %	50mV	71%	H 1.35	
	V2	+24V	0.1A	1.3A	± 5 %	240mV			

OUTPUT	SPP-C045	V1	+5V	0.3A	8.0A	± 2 %	70mV	68%	H 1.35
	SPP-C046	V1	+12V	0.1A	3.5A	± 2 %	120mV	75%	H 1.35
		V2	-12V	0A	0.3A	± 10 %	120mV		
	SPP-C047	V1	+15V	0.1A	2.7A	± 2 %	150mV	77%	H 1.35
V3		-15V	0A	0.3A	± 10 %	150mV			
SPP-C048	V1	+24V	0.1A	1.8A	± 2 %	240mV	77%	H 1.35	
PROTECTION	Over Voltage Protection	SPP-C030~SPP-C035 & SPP-C040~SPP-C045 : +5.8V~+7.0V, SPP-C036 & SPP-C046 : +13.8V ~+17.5V SPP-C037 & SPP-C047 : +17.3V ~+21.0V SPP-C038~C048 : +27.6V~+33.6V							
	Short Circuit Protection	Go into "HICCUP MODE". Auto recovery when fault condition been removed.							
OTHERS	Rise time	<20mS							
	Hold up time	>20mS@230V							
	Setup time	<800mS@115V / <300mS@230V AC input							
Environment	Temperature	Operating: -10~55°C; De-rating: 40°C ~55°C : 2.5%/°C. Storage: -10~+75°C							
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)							
M.T.B.F.	337K hours								
SAFETY	UL 1950 2 <sup>nd</sup> , CSA C22.2 No. 950 , TUV EN 60950-1 <sup>st</sup> , IEC 60950, EMKO-TSE (74-SEC)207/94 approved .(Only SPP-C040 with TUV mark.)								
EMC	EMI	EN 55022 CLASS B · FCC CFR 47 PART 15 CLASS B · CNS 13438 CLASS B.							
	EMS	EN 55024 : EN 61000-4-2,3,4,5,6,8,11.							

### Dimension:

## SPP-C Series



*FRONT VIEW*

*RIGHT VIEW*

#### HEADER :

##### AC INPUT :

CN1 MOLEX 5277-05 OR COMPATIBLE.

##### DC OUTPUT :

CN2 MOLEX 5273-05 OR COMPATIBLE.

##### LED CONNECTOR :

CN4 MOLEX 5045-2 OR COMPATIBLE.

UNIT : mm