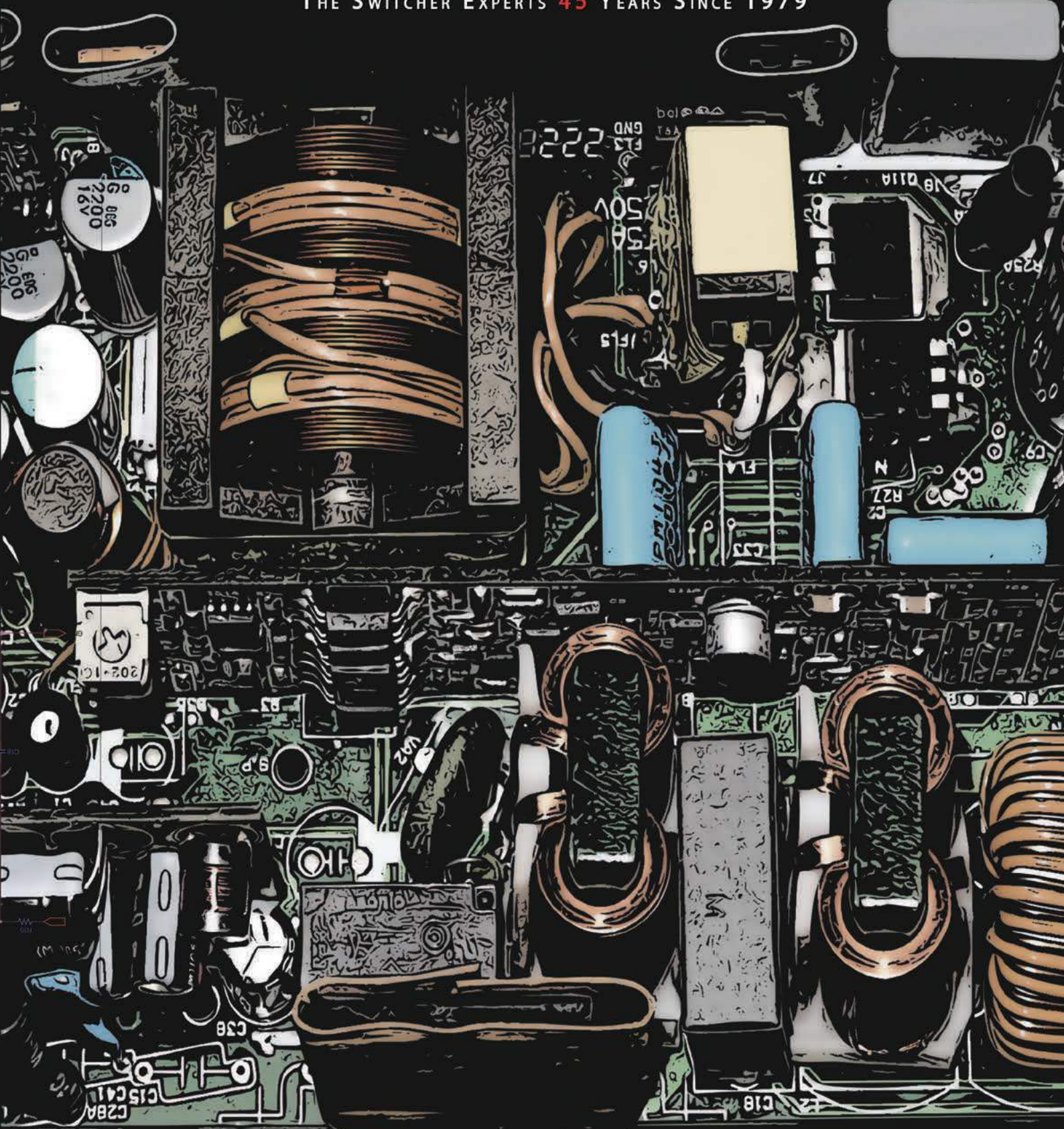


SKYNET

THE SWITCHER EXPERTS 45 YEARS SINCE 1979



PRODUCTS CATALOGUE 2024

Endless Quest since 1979

“Skynet” is a renowned brand in the power supply industry, known for its production of long-lasting and highly reliable products and services.

Skynet employs Lean Manufacturing and offers make-to-order services with no minimum order quantity (MOQ) requirement. In addition to standard products, Skynet warmly welcomes modified standard or custom designs.

Skynet provides end users with a lifetime warranty.





Products and Service

There is no reason to select Skynet as a supplier if your system is merely a commodity. We regard every returned unit as precious and subject it to detailed analysis to identify the cause of failure and assume responsibility, rather than simply providing replacements or repairs.

Once Skynet identifies the cause of failure, the appropriate countermeasures will be implemented. This is the essence of Skynet's unending pursuit.

The same approach will be extended to our services, even for units that were manufactured 30 years ago. We will repair them free of charge, as these products bear the name of Skynet.



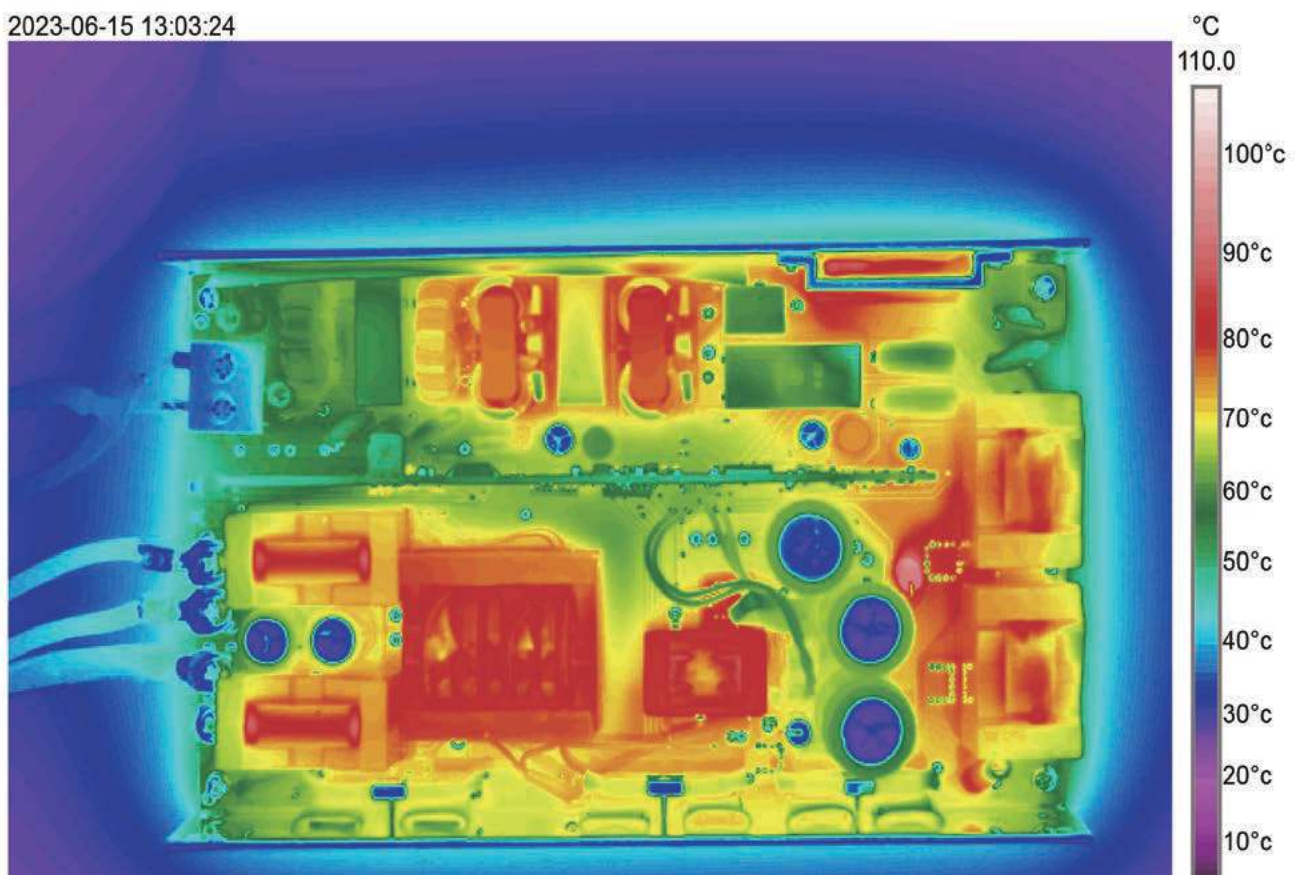
MTBF and Lifetime

During the design-in stage, many customers request the MTBF and lifetime figures for their quality department. A longer MTBF indicates a lower failure rate during the lifetime period. However, there is no direct relationship between MTBF and lifetime. For instance, the average human lifespan is around 80 years, while that of a dog is 15 years. But it is uncertain who visits the doctor more frequently.

Smartphones require a longer MTBF to reduce after-service costs. However, a reasonably short lifetime can provide customers with a good reason and willingness to replace the old version with a new one. This is the design objective of a commodity.

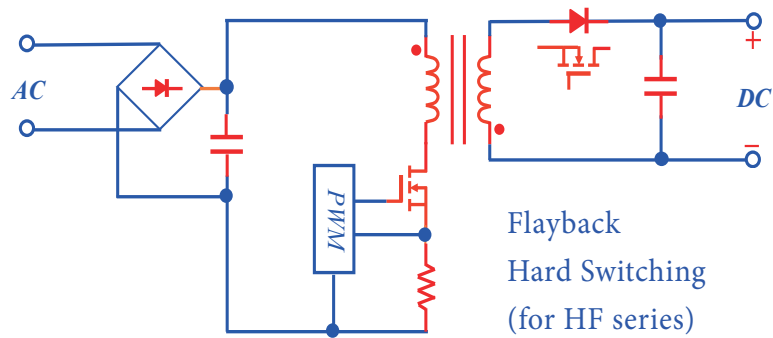
Most Skynet products are designed for long life and high MTBF applications. The estimated figures of MTBF and lifetime cannot reveal the truth. Skynet's experience and know-how are more reliable.

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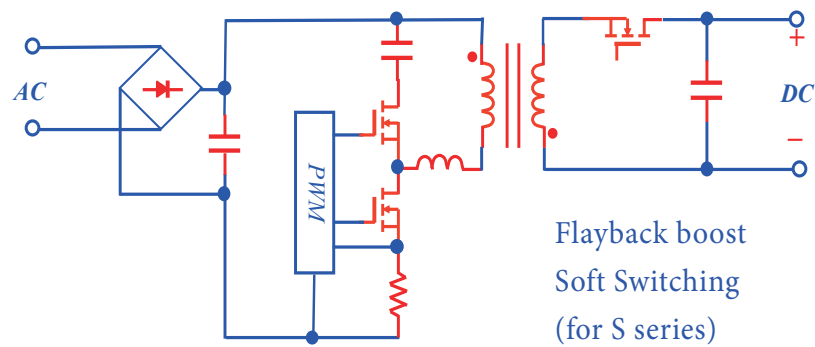


Power Topology

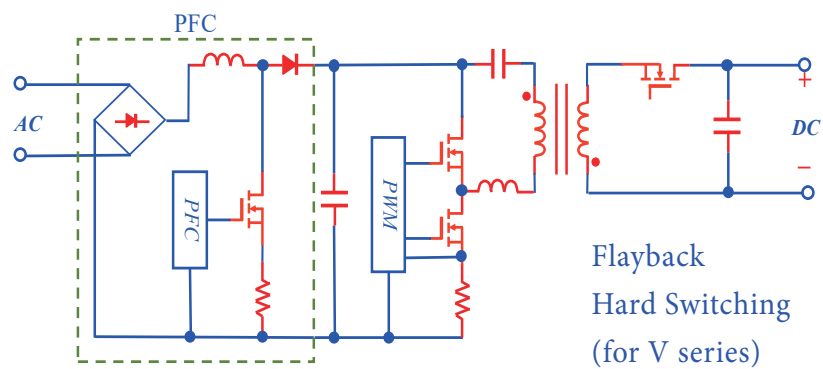
Flyback Hard Switching for HF Family



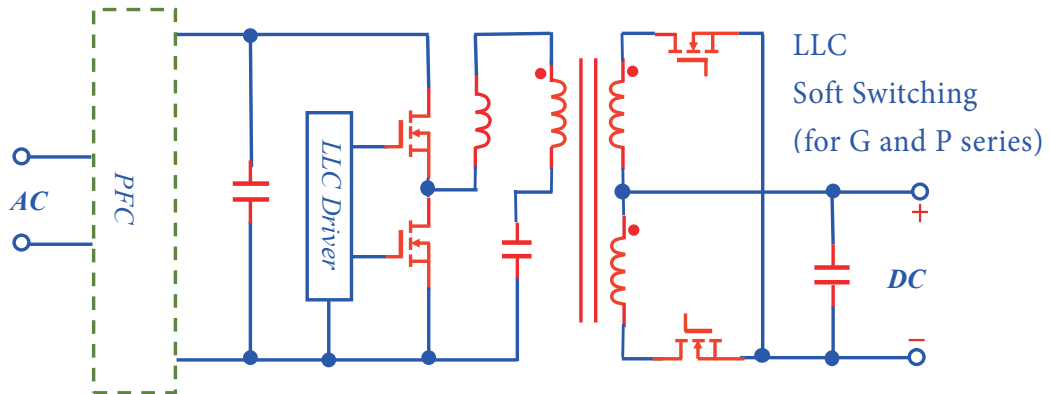
Asymmetrical ZVS Boost Flyback for S Family



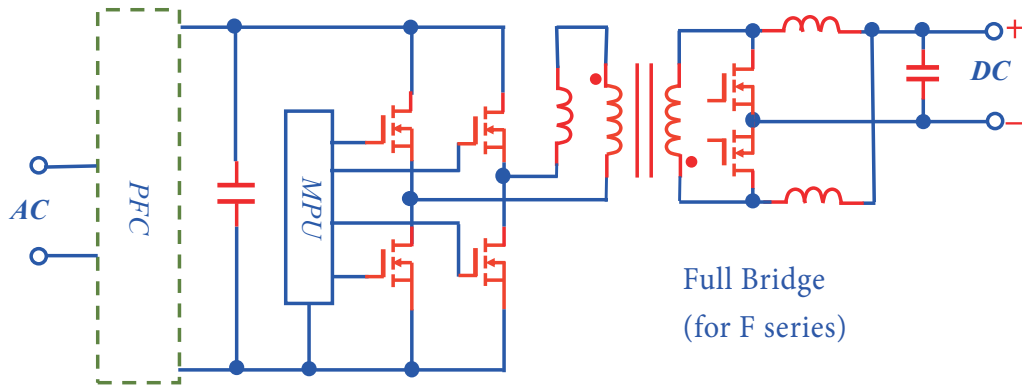
Asymmetrical ZVS Flyback for V Family



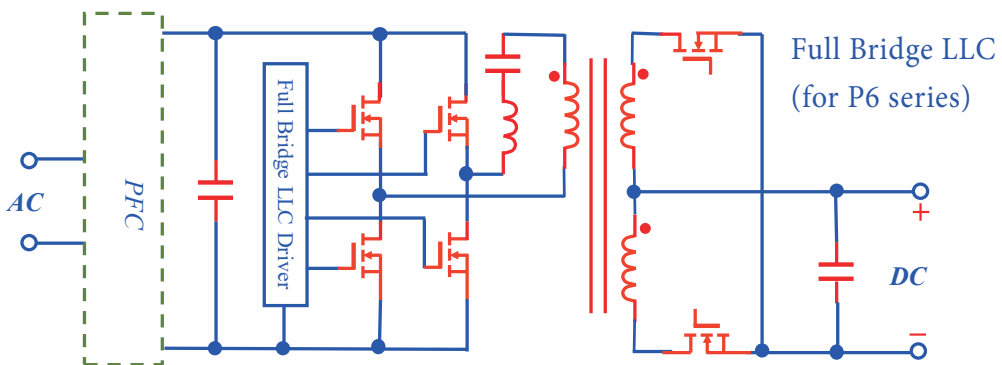
Hard Bridge LLC Resonant Switching for G and P Family



Phase Shift Full Bridge ZVS Switching for F Family



Full Bridge LLC Resonant Soft Switching for G6 & P6 Family



Standard Products Road Map

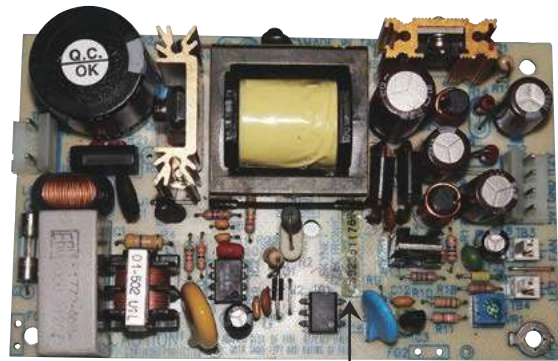
30W to 100W Class I and Class II input without PFC		
SNP-HF3X	1.57 x 2.76 x 0.93	Single MOS Flyback Hard Switching Single Output Using 6395 PWM
SNP-HF4X	2 x 3 x 0.95	
SNP-HF6X	2 x 3.17 x 0.95	
SNP-HF8X	2 x 4 x 1.18	
SNP-HFAX	2 x 4 x 1.32	
120W to 300W with PFC		
SNP-V12X	2.39 x 4 x 1.26	Asymmetrical ZVS Flyback Two MOS with PFC Single & Multiple output Using 8060/8120 PWM
SNP-V15X	3 x 5 x 1.38	
SNP-V16X	2 x 4 x 1.50	
SNP-V20X	3 x 5 x 1.38	
SNP-V30X	4 x 6 x 1.38	
60W to 150W Class II Input without PFC		
SNP-S06X	2 x 4 x 1.406/1.418 (-H)	Asymmetrical ZVS Flyback Two MOS without PFC Class II Input Multiple output Using 8060/8120 PWM
SNP-S09X		
SNP-S12X		
SNP-S15X	3 x 5 x 1.42	
150W to 300W with DC to DC Daughter Board		
SNP-M15X	3.15 x 5.9 x 1.49	Asymmetrical ZVS Flyback Single Output + DC to DC Using 8060/8120 PWM
SNP-M20X		
SNP-M30X		

The first Universal Power Supply and the first $BV_{DSS}=600V$ Power MOS

From the series number S/N 923511766, we can see this was made in 1992, week 35. It's a 3" by 5" 40W dual output 5V and 12V with universal input power.

Universal input means without 110Vac / 220Vac selector switch. You can use it anywhere around the world. The name of Universal was first called by Skynet.

When apply flyback hard switching at 264Vac, the margin of 500V power MOS is not enough. So Skynet convinced Toshiba and Fuji to create a specific 600V MOS to meet universal. Now the 600V power MOS becomes industrial standard.



SNP-9043 S/N : 923511766

** This data sheet is only for models selection. For business, engineering specification by model must be used.

120W to 600W Single Output with Peak and Surge Load		
SNP-G12X	2 x 4.2 x 1.28	LLC ZVS 2 MOS (4 for G6) Single Output with PFC With peak load capability With surge load capability
SNP-G16X	3 x 5 x 1.44	
SNP-G20X	3 x 5 x 1.44	
SNP-G25X	3 x 5 x 1.57	
SNP-G30X	3.7 x 6.6 x 1.46	
SNP-G40X	4 x 7 x 1.5	
SNP-G60X		
150W to 600W Single Output like G Series but with 5Vsb		
SNP-P15X-S	3 x 5 x 1.07	LLC ZVS 2 MOS (4 for P6) With 5V Stand-by Single output with PFC With peak load capability With surge load vcapability
SNP-P20X-S	3 x 5 x 1.57	
SNP-P30X-S	3.7 x 6.6 x 1.46	
SNP-P40X-S	4 x 7 x 1.5	
SNP-P60X-S		
500W to 1000W Single Output with remote sense and fan output		
SNP-F50X	4.5 x 7.5 x 1.65	Full Bridge 4 MOS
SNP-F8XX		
SNP-FA0X		
Medical Adapter with Plastic Box		
SNP-A04X-Y	54 x 110 x 33.6	Plastic Box Medical Application Class II Class B Y Series Inside
SNP-A06X-Y	58 x 120 x 42	
SNP-A08X-Y	65 x 135 x 40	
SNP-A10X-Y	72 x 145 x 42	
SNP-A12X-Y	78 x 167 x 47	
Medical Adapter with Metal Box		
SNP-A15X-G	95 x 180 x 55	Metal Box G Series Inside Class I input
SNP-A25X-G	95 x 210 x 55	
SNP-G35X-G	95 x 250 x 55	



This is 2" by 7" 30W custom model also made in 1992 with universal input and dual output.

** This data sheet is only for models selection. For business, engineering specification by model must be used.

SNP-HF Family

Topology	Controller		Power range
Flyback Hard Switching	Skynet ASIC		under 100W
Skynet latest series	free air	forced air	peak load for 5s
SNP-HF3X	30W	40W	45W
SNP-HF4X	40W	60W	70W
SNP-HF6X	60W	80W	90W
SNP-HF7X	80W	100W	120W
SNP-HFAX	100W	120W	150W

Advanced features

For medical BF application
Can be operated at 5000 meters and -40°C
Class II input for Home health care application



HF3X:
1.57" x 2.76" x 0.93"



HF8X:
2" x 4" x 1.18"



HF6X:
2" x 3.17" x 0.95"



HFAX:
2" x 4" X 1.18"~1.34"

** This data sheet is only for models selection. For business, engineering specification by model must be used.

Rated Power	Model No.	Output Voltage	Load (A)			Safety	
			Rated	Max.	Peak	ITE	Medical
30W	SNP-HF37 SNP-HF37-A	+12V	2.50	3.33	3.75	UL/TUV EN62368-1, 3rd Ed.	UL/TUV/EN 60601-1
	SNP-HF38 SNP-HF38-A	+15V	2.00	2.67	3.00	UL/TUV EN62368-1, 3rd Ed.	UL/TUV/EN 60601-1
	SNP-HF39 SNP-HF39-A	+24V	1.25	1.67	1.88	UL/TUV EN62368-1, 3rd Ed.	UL/TUV/EN 60601-1
	SNP-HF3T SNP-HF3T-A	+48V	0.63	0.83	0.94		
40W	SNP-HF4X	Under developing					
60W	SNP-HF67 SNP-HF67-A SNP-HF67-H	+12V	5.00	6.67	7.50	UL/TUV EN62368-1, 3rd Ed. UL/TUV EN62368-1, 3rd Ed.	UL/TUV/EN 60601-1 UL/TUV/EN 60601-1
	SNP-HF68 SNP-HF68-A SNP-HF68-H	+15V	4.00	5.33	6.00	UL/TUV EN62368-1, 3rd Ed.	UL/TUV/EN 60601-1
	SNP-HF69 SNP-HF69-A SNP-HF69-H	+24V	2.50	3.33	3.75	UL/TUV EN62368-1, 3rd Ed. UL/TUV EN62368-1, 3rd Ed.	UL/TUV/EN 60601-1 UL/TUV/EN 60601-1
	SNP-HF6T SNP-HF6T-A SNP-HF6T-H	+48V	1.25	1.67	1.88	UL/TUV EN62368-1, 3rd Ed.	UL/TUV/EN 60601-1
80W	SNP-HF87 SNP-HF87-A SNP-HF87-H	+12V	6.66	7.50	9.00	UL/TUV EN62368-1, 3rd Ed.	UL/TUV/EN 60601-1
	SNP-HF88 SNP-HF88-A SNP-HF88-H	+15V	5.33	6.66	8.00	UL/TUV EN62368-1, 3rd Ed.	UL/TUV/EN 60601-1
	SNP-HF89 SNP-HF89-A SNP-HF89-H	+24V	3.33	4.60	5.30	UL/TUV EN62368-1, 3rd Ed. UL/TUV EN62368-1, 3rd Ed.	UL/TUV/EN 60601-1 UL/TUV/EN 60601-1
	SNP-HF8T SNP-HF8T-A SNP-HF8T-H	+48V	1.67	2.10	2.71	UL/TUV EN62368-1, 3rd Ed.	UL/TUV/EN 60601-1
100W	SNP-HFA7 SNP-HFA7-A SNP-HFA7-H	+12V	8.50	10.00	12.50		UL/TUV/EN 60601-1
	SNP-HFA8 SNP-HFA8-A SNP-HFA8-H	+15V	6.66	8.00	9.40		UL/TUV/EN 60601-1
	SNP-HFA5 SNP-HFA5-A SNP-HFA5-H	+18V	5.55	7.00	8.32		UL/TUV/EN 60601-1
	SNP-HFA9 SNP-HFA9-A SNP-HFA9-H	+24V	4.17	5.42	6.25		UL/TUV/EN 60601-1 UL/TUV/EN 60601-1 UL/TUV/EN 60601-1
	SNP-HFAT SNP-HFAT-A SNP-HFAT-H	+48V	2.10	2.70	2.92		

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** This data sheet is only for models selection. For business, engineering specification by model must be used.

SNP-V Family

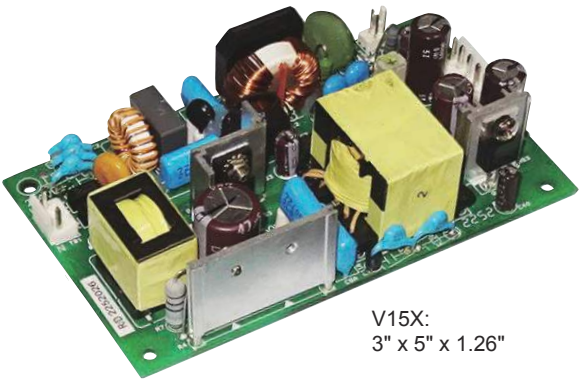
Topology	Controller		Power range
Asymmetrical ZVS Flyback	PFC + Skynet ASIC		under 300W
Skynet latest series	free air	forced air	peak load for 5s
SNP-V12X	120W	180W	240W
SNP-V15X	150W		
SNP-V16X	160W		
SNP-V20X	200W	300W	360W
SNP-V30X	300W	400W	480W

Advanced features

For medical BF application
 Can be operated at 5000 meters and -30°C
 When load > 30% rated 12V fan output
 Can do good regulation multiple output



V12X:
2.39" x 4" x 1.26"



V15X:
3" x 5" x 1.26"



V20X:
3" x 5" x 1.36"



V30X:
4" x 6" x 1.38"

** This data sheet is only for models selection. For business, engineering specification by model must be used.

Rated Power	Model No.	Output Voltage	Load (A)			Safety	
			Rated	Max.	Peak	ITE	Medical
120W	SNP-V127	+12V	10.00	15.00	20.00	UL 60950-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
	SNP-V129	+24V	5.00	7.50	10.00	UL 60950-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
150W	SNP-V155	+18V	8.33	12.5	16.66		
	SNP-V157	+12V	12.50	18.75	25.00		
	SNP-V159	+24V	6.25	9.375	12.50		
160W	SNP-V16X	Under Developing					
200W	SNP-V207	+12V	16.60	25.00	30.00	UL 60950-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
	SNP-V209	+24V	8.30	12.50	15.00	UL 60950-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
200W	SNP-V207-U	+12V	16.60	25.00	30.00	UL 60950-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
	SNP-V209-U	+24V	8.30	12.50	15.00	UL 60950-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
200W	SNP-V207-C	+12V	16.60	25.00	30.00	UL 60950-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
	SNP-V209-C	+24V	8.30	12.50	15.00	UL 60950-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
300W	SNP-V307	+12V	25.00	33.30	40.00	UL 60950-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
	SNP-V309	+24V	12.50	16.70	20.00	UL 60950-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
300W	SNP-V307-U	+12V	25.00	33.30	40.00	UL 60950-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
	SNP-V309-U	+24V	12.50	16.70	20.00	UL 60950-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
300W	SNP-V307-C	+12V	25.00	33.30	40.00	UL 60950-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
	SNP-V309-C	+24V	12.50	16.70	20.00	UL 60950-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1

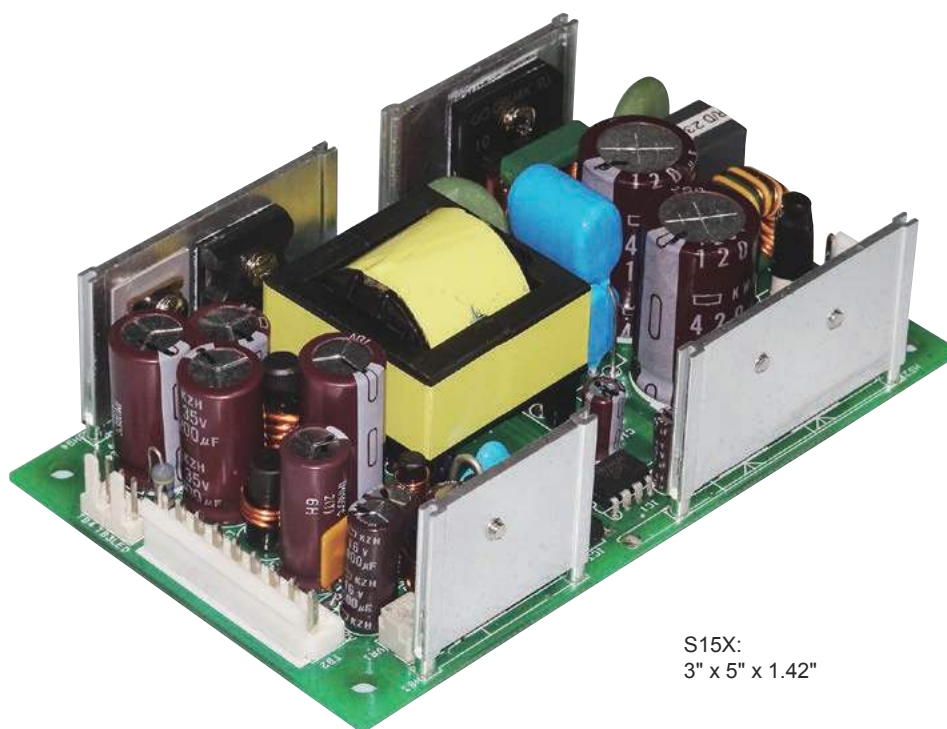
** This data sheet is only for models selection. For business, engineering specification by model must be used.

SNP-S Family

Topology	Controller		Power range
Asymmetrical ZVS Boost Flyback	Skynet ASIC (without PFC)		under 150W
Skynet latest series	free air	forced air	peak load for 5s
SNP-S06X	60W	90W	90W
SNP-S09X	90W		144W
SNP-S12X	120W	180W	
SNP-S15X	150W	225W	

Advanced features

For medical BF application
 Can be operated at 5000 meters and -30°C
 When load > 30% rated 12V fan output
 Can do good regulation multiple output



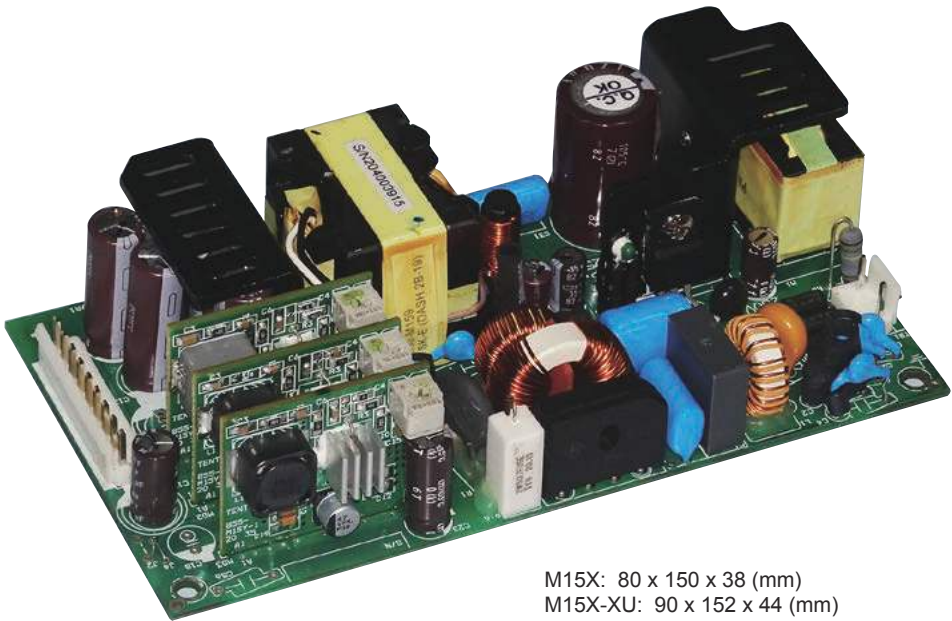
S15X:
3" x 5" x 1.42"

Rated Power	Model No.	Output Voltage	Load (A)			Safety	
			Rated	Max.	Peak	ITE	Medical
60W	SNP-S066	+5V	12A		18A	UL/CSA/IEC/EN 62368-1	UL/TUV/IEC/EN 60601-1,3.1 Ed.
	SNP-S061 (Class I) SNP-S061-H (Class II)	+5V	4A		6.4A	UL/CSA/IEC/EN 62368-1	UL/TUV/IEC/EN 60601-1,3.1 Ed.
		+12V	3A		5A		
		-12V	0.3A				
	SNP-S063 (Class I) SNP-S063-H (Class II)	+5V	4A		6.4A	UL/CSA/IEC/EN 62368-1	UL/TUV/IEC/EN 60601-1,3.1 Ed.
		+12V	3.3A		5.33A		
90W	SNP-S091 (Class I) SNP-S091-H (Class II)	+5V	6A		9.6A		
		+12V	4.5A		7A		
		-12V	0.45A				
		SNP-S093 (Class I) SNP-S093-H (Class II)	+5V	6A		9.6A	
	+12V	5A		8A			
120W	SNP-S12X					Under Developing	
150W	SNP-S15F	+5V +24V +12V -12V	5A 4A 2A 0.3A			Under Developing	

** This data sheet is only for models selection. For business, engineering specification by model must be used.

New SNP-M Family

Topology		Controller		Power range
Asymmetrical ZVS Flyback		Skynet ASIC		under 300W
Skynet latest series	free air	forced air	peak load for 5s	
SNP-M15X	150W	220W	350W	
SNP-M20X	200W	300W	480W	
SNP-M30X	300W	400W	600W	
Advanced features				
For medical BF application Can be operated at 5000 meters and -40°C 24V output can handle 8000uF at start up Three DC to DC boards are self regulated				



M15X: 80 x 150 x 38 (mm)
 M15X-XU: 90 x 152 x 44 (mm)
 M15X-XC: 90 x 152 x 44.5 (mm)

** This data sheet is only for models selection. For business, engineering specification by model must be used.

Rated Power	Model No.	Output Voltage	Load (A)			Safety	
			Rated	Max.	Peak	ITE	Medical
150W	SNP-M159-1 SNP-M159-1U SNP-M159-1C	+24V	3.2	5.0	9.0	UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
		+5V	4.5	5.0		UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
		+12V	4.0	4.5		UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
		-12V	1.25	1.66		UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
	SNP-M159-2 SNP-M159-2U SNP-M159-2C	+24V	3.5	5.4	9.0	UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
		+5V	4.5	5.0		UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
		+36V	1.3	1.7		UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
		-12V	0.6	1.0		UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
	SNP-M159-3 SNP-M159-3U SNP-M159-3C	+24V	3.5	5.4	9.0	UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
		+12V	4.0	4.5		UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
		+36V	1.3	1.7		UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
		-12V	0.6	1.0		UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
	SNP-M159-4 SNP-M159-4U SNP-M159-4C	+24V	3.5	5.4	9.0	UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
		+5V	4.5	5.0		UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
		+48V	1.0	1.3		UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
		-12V	0.6	1.0		UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
	SNP-M159-5 SNP-M159-5U SNP-M159-5C	+24V	3.5	5.4	9.0	UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
		+12V	4.0	4.5		UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
		+48V	1.0	1.3		UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
		-12V	0.6	1.0		UL/TUV EN62368-1, 2 nd Ed.	UL/TUV IEC/EN 60601-1
200W	SNP-M20X	Under developing					
300W	SNP-M30X	Under developing					

** This data sheet is only for models selection. For business, engineering specification by model must be used.

SNP-G Family

Topology		Controller	Power range
Half Bridge LLC Resonant Soft Switching G6 Full Bridge LLC Resonant Soft Switching		LLC controller	under 600W
Skynet latest series	free air	forced air	peak load for 5s
SNP-G12X	120W	150W	200W
SNP-G16X	160W	240W	320W
SNP-G20X	200W	300W	400W
SNP-G25X	250W	375W	550W
SNP-G30X	300W	420W	600W
SNP-G40X	400W	560W	800W
SNP-G60X	600W	750W	960W

Advanced features

For medical BF application
 Can be operated at 5000 meters and -20°C
 Suffix with -H is Class II input



G12X:
 2" x 4" x 1.28"



G16X:
 3" x 5" x 1.44"

** This data sheet is only for models selection. For business, engineering specification by model must be used.

Rated Power	Model No.	Output Voltage	Load (A)			Safety	
			Rated	Max.	Peak	ITE	Medical
120W	SNP-G127-A SNP-G127-MA SNP-G127-H	+12V	10.0	12.5	16.6	UL60950-1 2 nd Ed./TUV EN62368-1	UL/TUV IEC 60601-1
	SNP-G128-A SNP-G128-MA	+15V	8.0	10.0	13.4	UL60950-1 2 nd Ed./TUV EN62368-1	UL/TUV IEC 60601-1
	SNP-G125-A SNP-G125-MA	+18V	6.6	8.3	11.1	UL60950-1 2 nd Ed./TUV EN62368-1	UL/TUV IEC 60601-1
	SNP-G129-A SNP-G129-MA SNP-G129-H	+24V	5.0	6.3	8.3	UL60950-1 2 nd Ed./TUV EN62368-1	UL/TUV IEC 60601-1
	SNP-G12G-A SNP-G12G-MA	+28V	4.3	5.4	7.2		UL/TUV IEC 60601-1
	SNP-G12J-A SNP-G12J-MA	+36V	3.4	4.2	5.6		UL/TUV IEC 60601-1
	SNP-G12T-A SNP-G12T-MA SNP-G12T-H	+48V	2.5	3.1	4.2	UL60950-1 2 nd Ed./TUV EN62368-1	
160W	SNP-G167-A SNP-G167-MA	+12V	13.3	20.0	26.6		UL/TUV IEC/EN 60601-1
	SNP-G168-A SNP-G168-MA	+15V	10.66	16.0	21.3		
	SNP-G165-A SNP-G165-MA	+18V	8.88	13.33	17.8		UL/TUV IEC/EN 60601-1
	SNP-G169-A SNP-G169-MA	+24V	6.66	10.0	13.3	UL60950-1 2 nd Ed./TUV EN62368-1	UL/TUV IEC/EN 60601-1
	SNP-G16G-A SNP-G16G-MA	+28V	5.7	8.55	11.4		UL/TUV IEC/EN 60601-1
	SNP-G16J-A SNP-G16J-MA	+36V	4.45	6.66	8.9		
	SNP-G16T-A SNP-G16T-MA	+48V	3.35	5.0	6.67		UL/TUV IEC/EN 60601-1

** This data sheet is only for models selection. For business, engineering specification by model must be used.

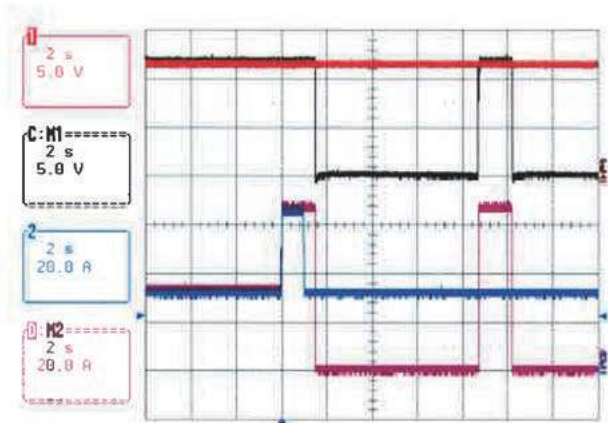
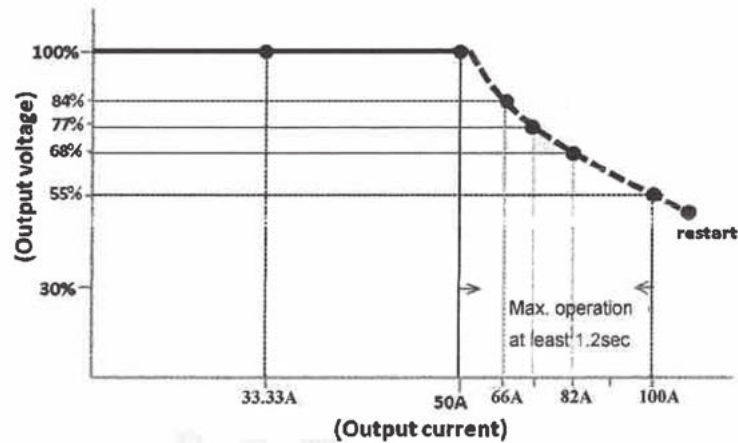
Rated Power	Model No.	Output Voltage	Load (A)			Safety	
			Rated	Max.	Peak	ITE	Medical
200W	SNP-G207-A SNP-G207-MA	+12V	16.5	25.0	33.0		
	SNP-G208-A SNP-G208-MA	+15V	12.0	18.0	22.5		
	SNP-G205-A SNP-G205-MA	+18V	11.1	16.6	22.3		UL/TUV IEC/EN 60601-1
	SNP-G209-A SNP-G209-MA	+24V	8.4	12.5	16.7	UL60950-1 2 nd Ed./TUV EN62368-1	UL/TUV IEC/EN 60601-1
	SNP-G20G-A SNP-G20G-MA	+28V	7.2	10.7	13.0		
	SNP-G20J-A SNP-G20J-MA	+36V	5.6	8.3	11.0		UL/TUV IEC/EN 60601-1
	SNP-G20T-A SNP-G20T-MA	+48V	4.2	6.3	8.4	UL60950-1 2 nd Ed./TUV EN62368-1	UL/TUV IEC/EN 60601-1
250W	SNP-G25X	Under Developing					
300W	SNP-G30X						
400W	SNP-G40X						
600W	SNP-G60X						



G20X:
3" x 5" x 1.44"

Peak Load and Surge Load

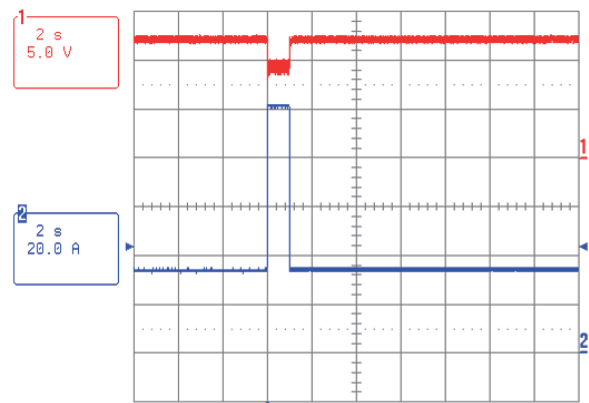
Many Skynet power supplies provide peak load and surge load capabilities instead of shutting down immediately when they reach an overload condition. This feature is beneficial for various applications, such as audio power amplifiers and motor drive systems.



Peak Load Behavior

The red line represents a stable voltage, while the blue line indicates that the current jumps up to two times the rated current (peak current) for less than 1.2 seconds.

On the other hand, the black line represents an auto-recovery behavior of the output voltage, while the purple line indicates that the current (peak current) lasts longer than 1.2 seconds.



Surge Load Behavior

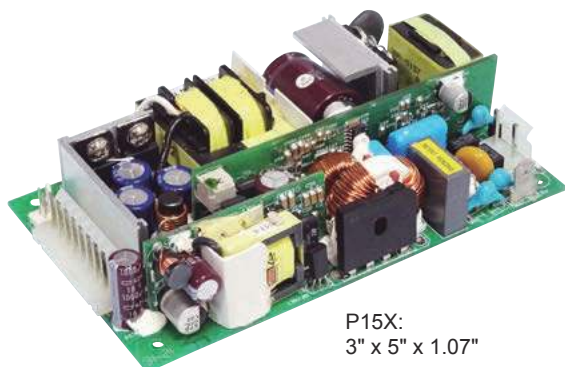
The red line represents a voltage drop-down, while the blue line indicates that the current jumps up to three times the rated current (surge current) for less than 1.2 seconds. If it lasts longer than 1.2 seconds, then the power supply will go into auto recovery mode.

SNP-P Family

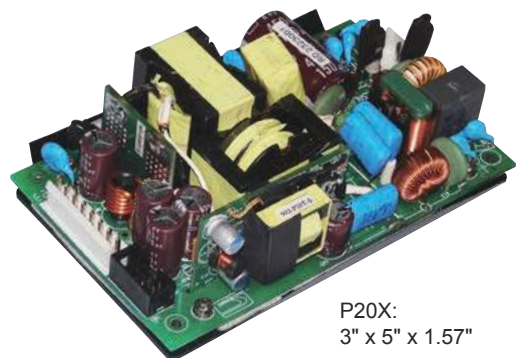
Topology		Controller	Power range
Half Bridge LLC Soft Resonant Switching P6 Full Bridghe LLC Resonant Soft Switching		LLC controller	under 600W
Skynet latest series	free air	forced air	peak load for 5s
SNP-P15X-S	150W		226W
SNP-P20X-S	200W	300W	400W
SNP-P30X-S	300W	420W	600W
SNP-P40X-S	400W	560W	800W
SNP-P60X-S	600W	750W	960W

Advanced features

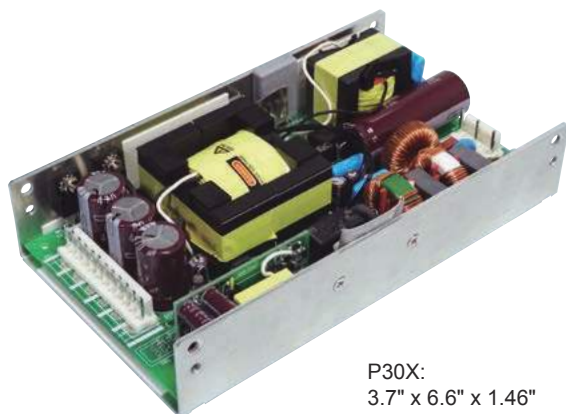
For medical BF application
 Can be operated at 5000 meters and -40°C
 Always with 5V/1A stand-by output
 Main output can be turn-off at stand-by mode



P15X:
3" x 5" x 1.07"



P20X:
3" x 5" x 1.57"



P30X:
3.7" x 6.6" x 1.46"



P40X:
4" x 7" x 1.654"

** This data sheet is only for models selection. For business, engineering specification by model must be used.

Rated Power	Model No.	Output Voltage	Load (A)			Safety	
			Rated	Max.	Peak	ITE	Medical
154W	SNP-P157-S	+12V +5Vsb	12.0 2.0		18.0	UL 60950-1, 2 nd Ed.	
	SNP-P158-S	+15V +5Vsb	9.6 2.0		14.4		
	SNP-P155-S	+18V +5Vsb	8.0 2.0		12.0		
	SNP-P159-S	+24V +5Vsb	6.0 2.0		9.0	UL 60950-1, 2 nd Ed	
	SNP-P15G-S	+28V +5Vsb	5.1 2.0		7.7		
	SNP-P15J-S	+36V +5Vsb	4.0 2.0		6.0		
	SNP-P15T-S	+48V +5Vsb	3.0 2.0		4.50		
200W	SNP-P207-S	+12V +5Vsb	16.66 1.0	25.0	33.3		
	SNP-P207	+12V	16.66	25.0	33.3		
	SNP-P209-S	+24V +5Vsb	8.33 1.0	12.25	16.66		
	SNP-P209	+24V	8.33	12.25	16.66		
300W	SNP-P307-S	+12V +5Vsb	25.0 1.0	35.0 1.5	50.0	UL 60950-1, 2 nd Ed TUV EN 62368-1	
	SNP-P307	+12V	25.0	35.0	50.0		
	SNP-P309-S	+24V +5Vsb	12.5 1.0	17.5 1.5	25.0	UL 60950-1, 2 nd Ed TUV EN 62368-1	L/TUV IEC/EN 60601-1
	SNP-P309	+24V	12.5	17.5	25.0	UL 60950-1, 2 nd Ed, TUV EN 62368-1	UL/TUV IEC/EN 60601-1
	SNP-P30H-S	+60V +5Vsb	5.0 1.0	7.0 1.5	10.0	UL 60950-1, 2 nd Ed TUV EN62368-1	
	SNP-P30H	+60V	5.0	7.0	10.0		
400W	SNP-P407-S	+12V +5Vsb	33.3 1.0	46.67 1.5	66.6		
	SNP-P407	+12V	33.3	46.67	66.6		
	SNP-P409-S	+24V +5Vsb	16.7 1.0	23.33 1.5	33.3		
	SNP-P409	+24V	16.7	23.33	33.3		
600W	SNP-P60X-S	Under Developing					

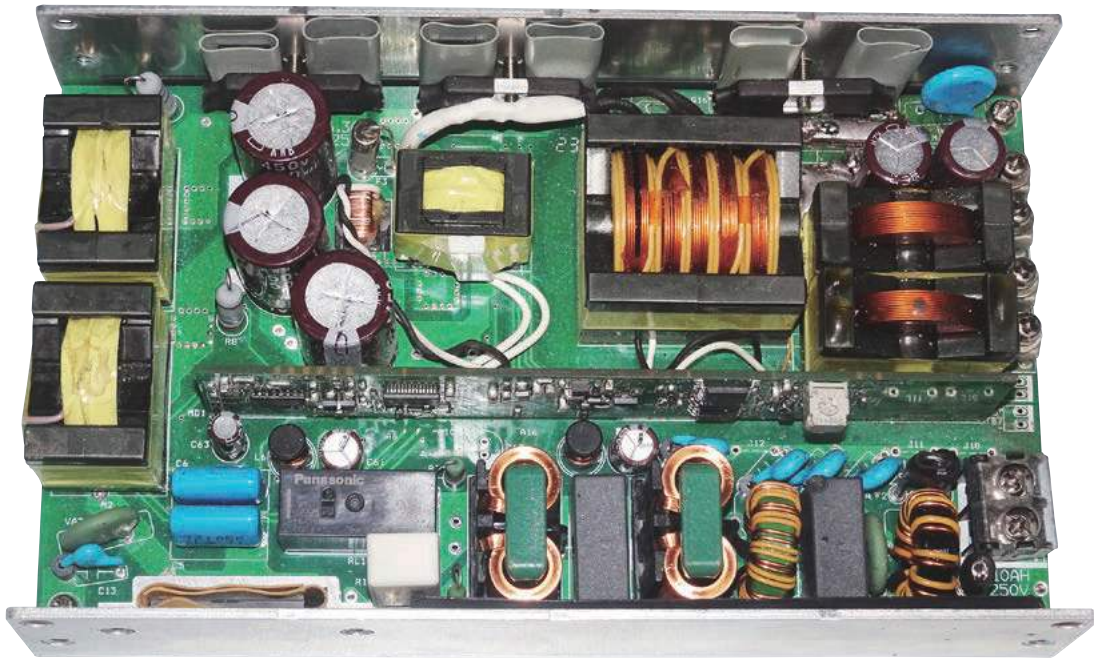
** This data sheet is only for models selection. For business, engineering specification by model must be used.

New SNP-F Family

Topology	Controller		Power range
Full Bridge 4 MOS	CPU		under 1000W
Skynet latest series	free air	forced air	peak load for 5s
SNP-F50X	500W	750W	1000W
SNP-F8XX	860W		
SNP-A0X	1000W		

Advanced features

For medical BF application
Can be operated at 5000 meters and -40°C
Can sink motor brake current until OVP
Can handle 200,000uF capacitor load



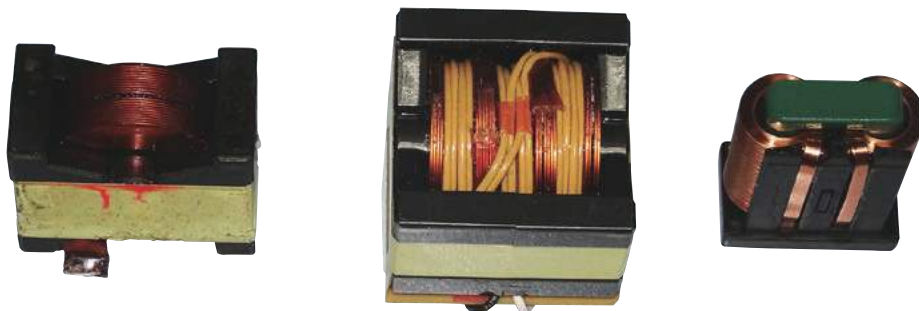
F50X:
4.5" x 7.5" x 1.7"

** This data sheet is only for models selection. For business, engineering specification by model must be used.

Rated Power	Model No.	Output Voltage	Load (A)			Safety	
			Rated	Max.	Peak	ITE	Medical
500W	SNP-F507	+12V	41.60	62.60	83.20		
	SNP-F509	+24V	20.80	31.30	41.60		
	SNP-F50T	+48V	10.40	15.60	20.80		
860W	SNP-F867	+12V	70.00		100.00	Under Developing	
	SNP-F869	+24V	35.80		50.00		
	SNP-F86T	+48V	17.90		25.00		
1000W	SNP-FA0	Under Developing					

Revolution of Magnetic Components

Copper sheet string will be introduced to Transformer or Inductor in any case if possible to reduce the power loss and assembly cost.



New SNP-A Family

Topology	Controller	Power range
Active Clamp for low wattage LLC for high wattage	Skynet ASIC or LLC controller	under 350W

Skynet latest series	free air	forced air	peak load for 5s
SNP-A04X-Y	40W		
SNP-A06X-Y	60W		
SNP-A08X-Y	80W		
SNP-A10X-Y	100W		
SNP-A12X-Y	120W		
SNP-A15X-G	150W		
SNP-A25X-G	250W		
SNP-A35X-G	350W		

Advanced features

For medical BF application
Can be operated at 5000 meters and -40°C
Suffix -Y for Class II input
Suffix -G for Class I input



** This data sheet is only for models selection. For business, engineering specification by model must be used.

Rated Power	Model No.	Output Voltage	Load (A)		Size (WxLxH) mm
			Rated	Peak	
40W	SNP-A047-Y	+12V	3.70	5.60	52x96x33
	SNP-A049-Y	+24V	1.90	2.90	
	SNP-A04T-Y	+48V	1.00	1.50	
60W	SNP-A067-Y	+12V	4.20	5.00	58x120x42
	SNP-A069-Y	+24V	2.50	3.00	
	SNP-A06T-Y	+48V	1.25	1.50	
80W	SNP-A087-Y	+12V	6.00	9.00	65x135x40
	SNP-A089-Y	+24V	3.30	5.00	
	SNP-A08T-Y	+48V	1.75	2.50	
100W	SNP-A107-Y	+12V	8.30	12.50	72x145x42
	SNP-A109-Y	+24V	4.16	6.25	
	SNP-A10T-Y	+48V	2.10	3.12	
120W	SNP-A127-Y	+12V	10.00	15.00	78x167x47
	SNP-A129-Y	+24V	5.00	7.50	
	SNP-A12T -Y	+48V	2.50	3.75	
150W	SNP-A15X-G	Under Developing			
250W	SNP-A25X-G				
350W	SNP-A35X-G				

** This data sheet is only for models selection. For business, engineering specification by model must be used.

Forced Air Approach

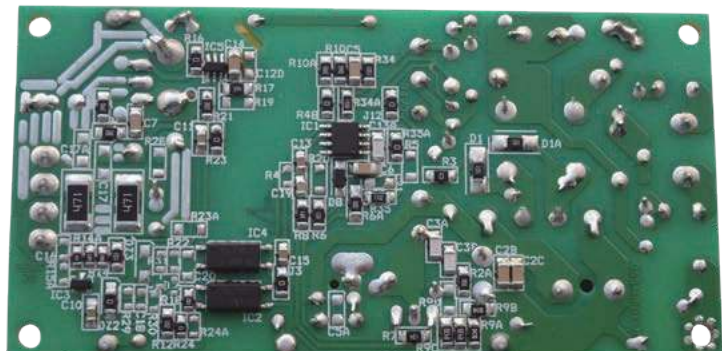
The rated load specified by Skynet is always in condition of convection cooling. We don't suggest customer use forced air cooling by fan. It would make the life time shorter.

But if your system need more power and has not enough space then we can give you forced air cooling solution.

Here we offer a solution for 3" by 5" open frame power supply to increase the rated power from 200W to 300W by adding a metal box with fan, as shown in the figure below.



One secret of reliability in Skynet "Cut & Clinch" the component leads on the soldering side before PCB going through soldering machine and just solder one time. Due to all metal parts are covered with solder so there is no oxidation or corrosion on the soldering side.



SNP-E30 Series

Output Specifications:

Rated Power	Model No.	Output Voltage	Load (A)			Safety	
			Rated	Max.	Peak	ITE	Medical
300W	SNP-E307	+12V	25.00			UL 60950-1, 2 nd Ed., TUV EN 62368-1	
	SNP-E307-M						UL/TUV IEC/EN 60601-1
	SNP-E308	+15V	20.00			UL 60950-1, 2 nd Ed., TUV EN 62368-1	
	SNP-E308-M						UL/TUV IEC/EN 60601-1
	SNP-E305	+18V	16.60			UL 60950-1, 2 nd Ed., TUV EN 62368-1	
	SNP-E305-M						UL/TUV IEC/EN 60601-1
	SNP-E309	+24V	12.50			UL 60950-1, 2 nd Ed., TUV EN 62368-1	
	SNP-E309-M						UL/TUV IEC/EN 60601-1
	SNP-E30G	+28V	10.70			UL 60950-1, 2 nd Ed., TUV EN 62368-1	
	SNP-E30G-M						UL/TUV IEC/EN 60601-1
	SNP-E30J	+36V	8.30			UL 60950-1, 2 nd Ed., TUV EN 62368-1	
	SNP-E30J-M						UL/TUV IEC/EN 60601-1
	SNP-E30T	+48V	6.25			UL 60950-1, 2 nd Ed., TUV EN 62368-1	
	SNP-E30T-M						UL/TUV IEC/EN 60601-1

SNP-G20X

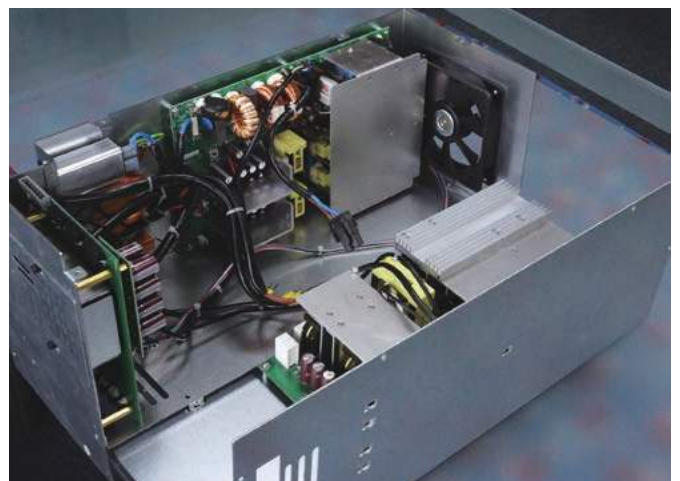
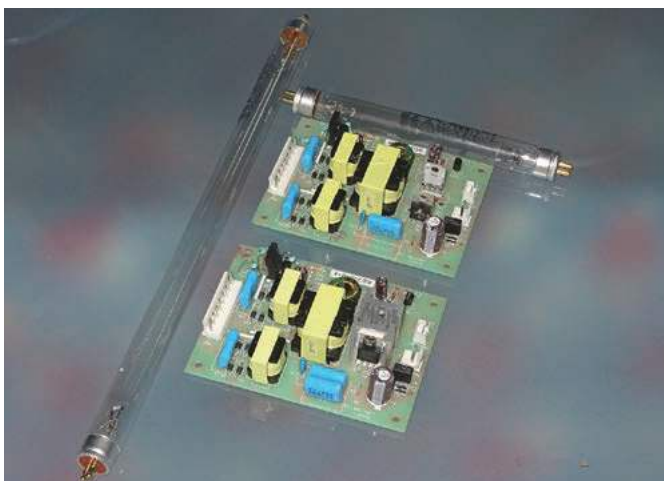
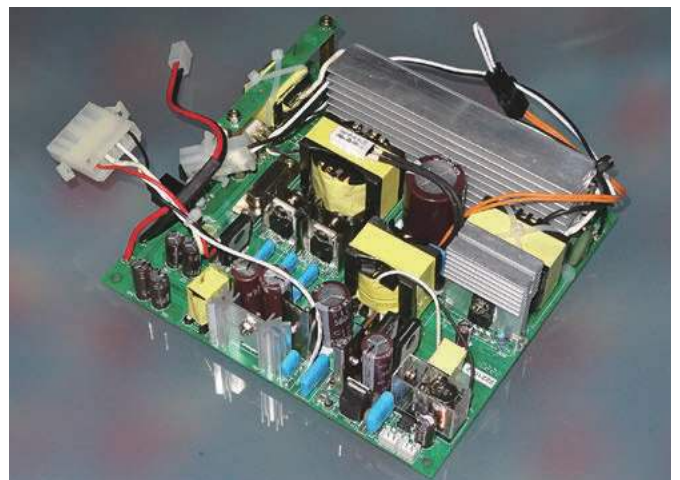
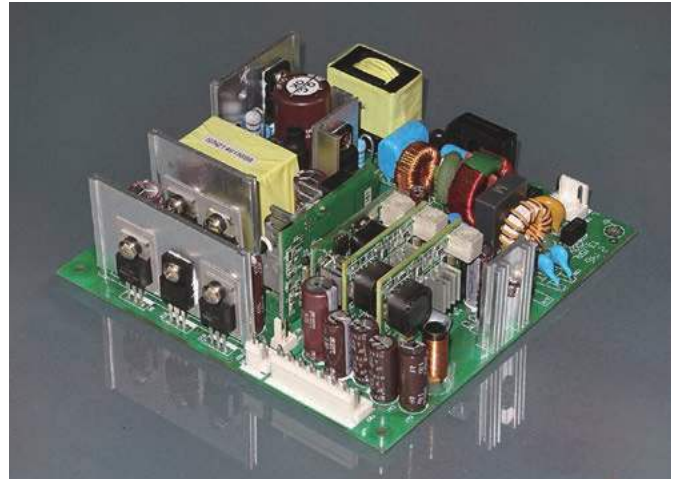
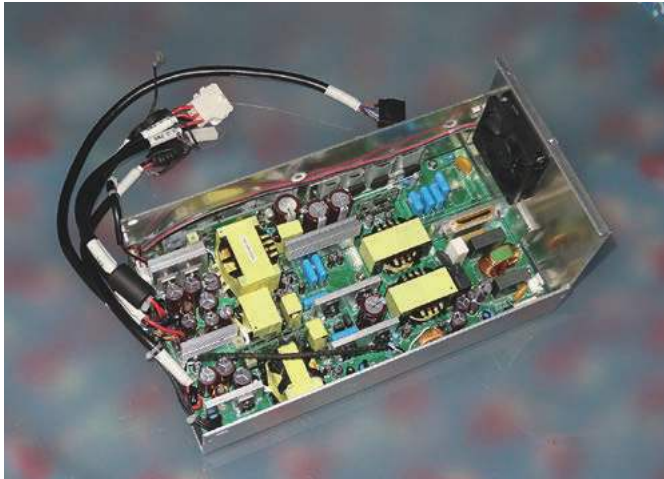
SNP-G20X is rated at 200W when used in free air. However, when used with forced air, its power rating increases to 300W.

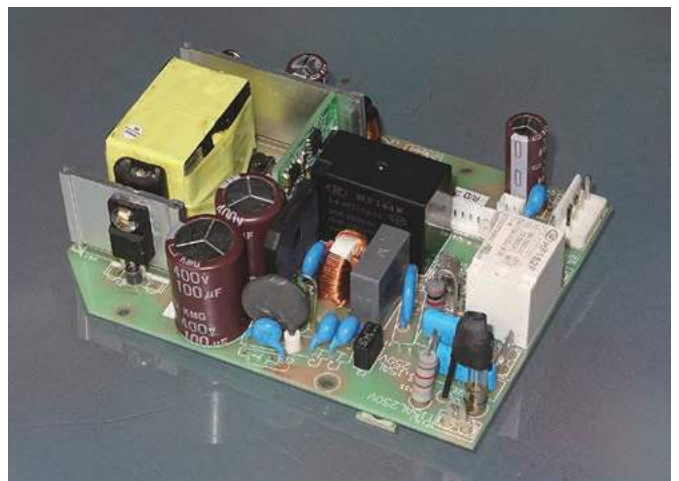
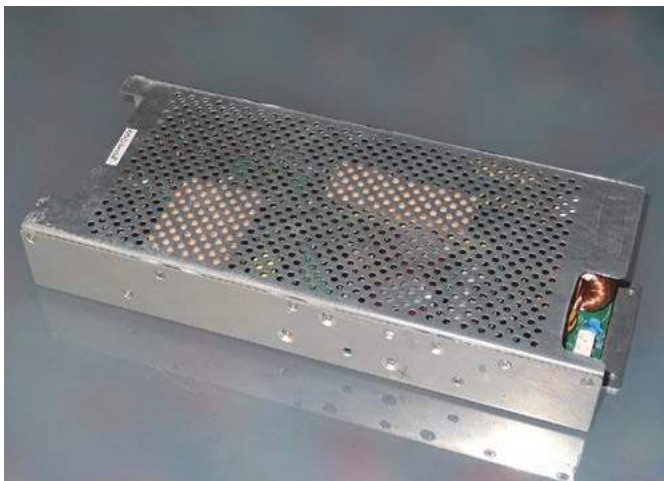
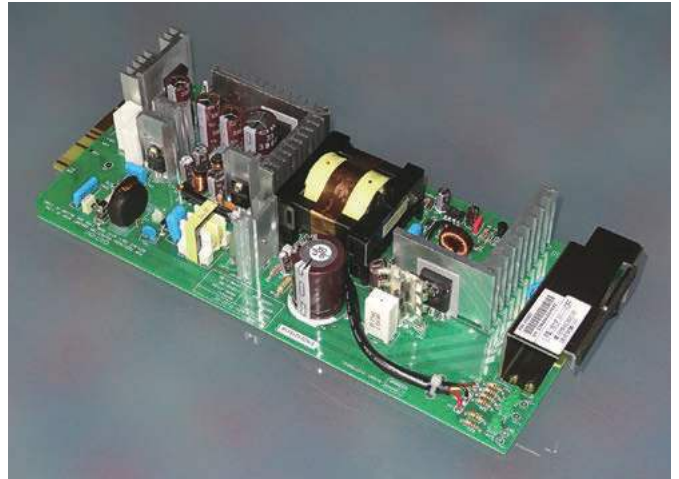


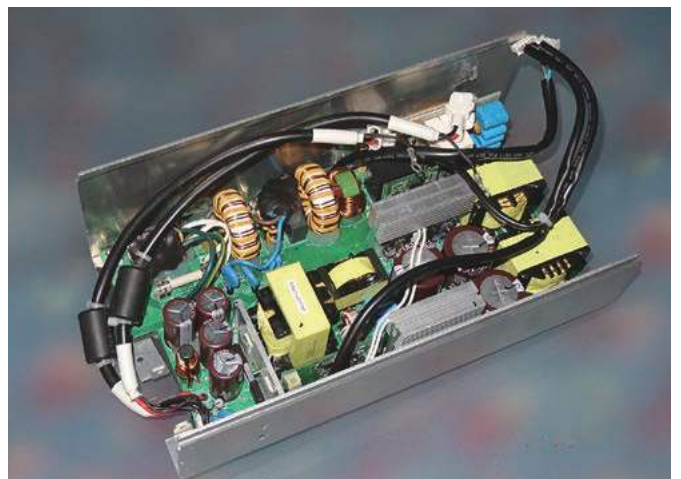
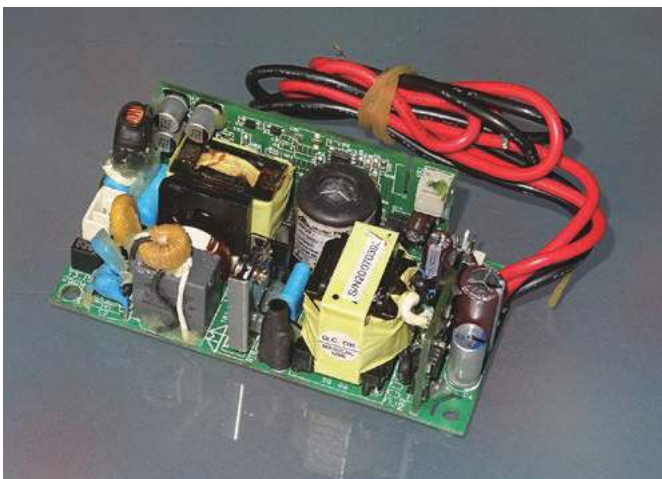
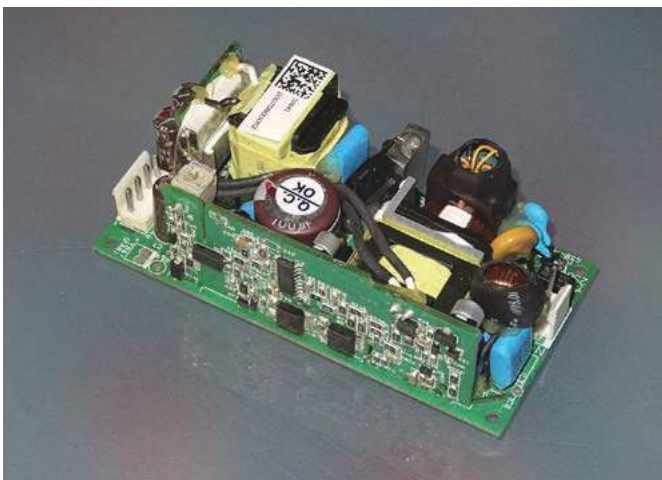
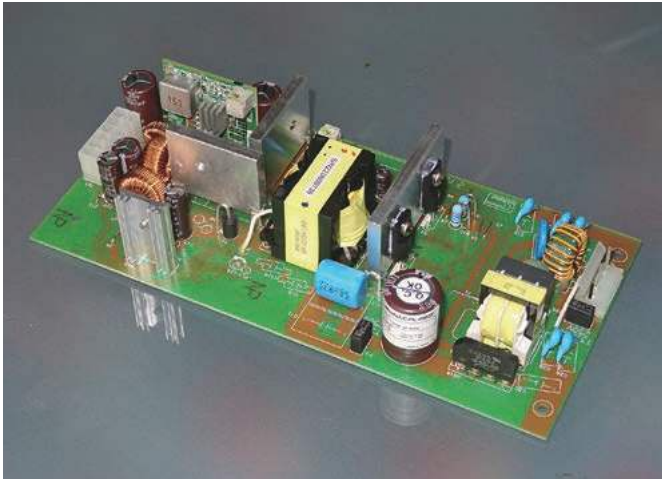
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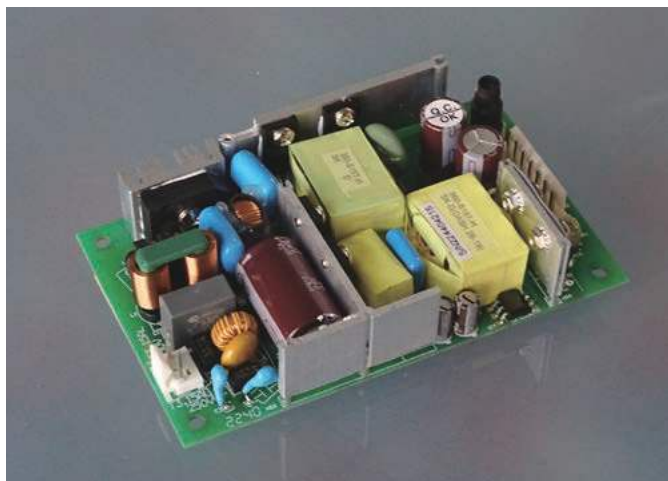
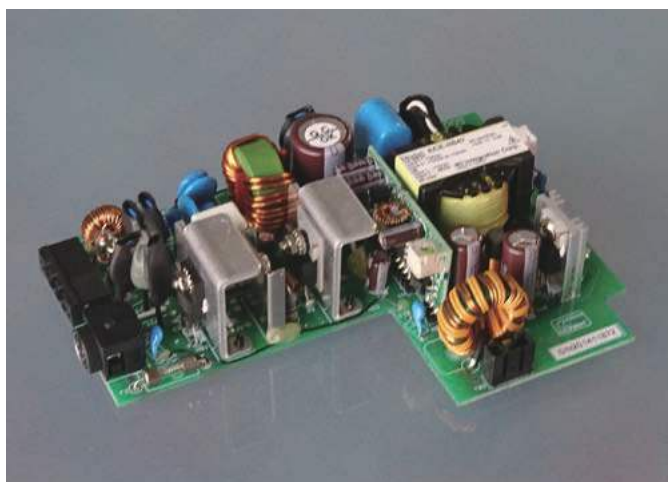
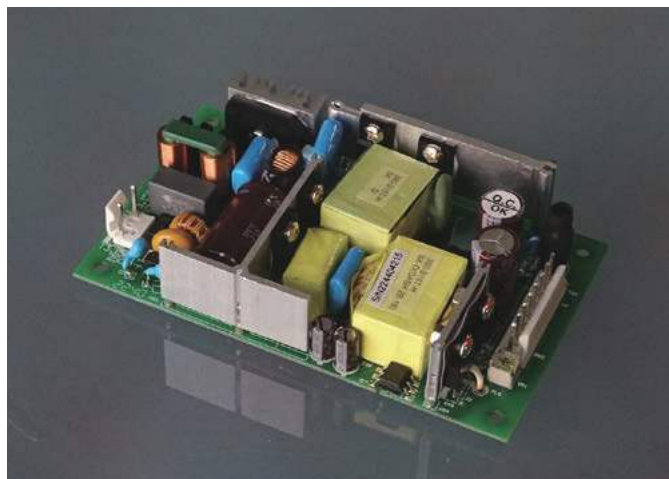
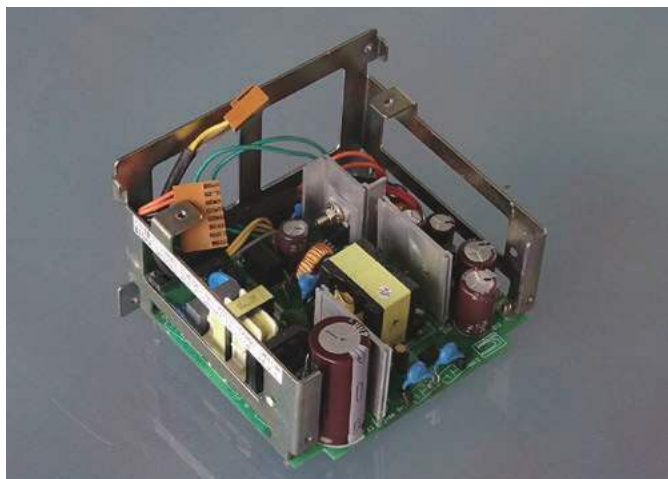
** This data sheet is only for models selection. For business, engineering specification by model must be used.

Some Custom Products











BUREAU
VERITAS

Bureau Veritas Certification



SKYNET ELECTRONIC CO., LTD.

4TH FL., NO. 76, CHEN-KONG ROAD, SEC. 1, NAN KAN DISTRICT, TAIPEI, TAIWAN, R.O.C.

This is a multi-site certificate, additional site(s) are listed on the next page(s)

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of certification

DESIGN, DEVELOPMENT, MANUFACTURE AND SUPPLY OF SWITCHING POWER SUPPLIES
AND ELECTRONIC BALLAST.

Original cycle start date:	23-07-2002
Expiry date of previous cycle:	23-09-2023
Certification / Recertification Audit date:	11-08-2023
Certification / Recertification cycle start date:	15-09-2023
Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on:	23-09-2026

Certificate No.: TW006830

Version: 1

Issue date: 15-09-2023

Signed on behalf of BVCH SAS UK Branch

Certification Body Address: 5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom

Local Office Address: 3F-B, No. 16, Nanjing E. Rd., Sec. 4, Songshan Dist., Taipei 105, Taiwan

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +886 2 2570 7655

UKAS Certificate Template Multi Site Rev.3.10



0008



QUALITY MANAGEMENT SYSTEM CERTIFICATE

Registration No. 0350220Q30461ROM

This is to certify that the quality management system of
Hangzhou Lin'an Skynet Lighting Technology Co., Ltd

Qingyun Village, Tai huyuan Town, Linan District, Hangzhou City, Zhejiang Province

Social Credit Code: 913301005660559833

is in conformity with
GB/T 19001-2016 / ISO 9001:2015 Standard

This certificate is valid to the following product(s)

Production and sales of Power Adapters within the range of CCC; production and sales
of Switching Power Supply, Electronic Transformers, Inductors, Stabilizers (Site Covered:
Qingyun Village, Taihuyuan Town, Lin'an District, Hangzhou City, Zhejiang Province).

Date of issue: October 19, 2020

Date of expiry at most: October 18, 2023

Date of renewal: November 02, 2022

Representative: *Wang Honglin*

XINGYUAN CERTIFICATION CENTRE
CENTRE CO., LTD. (XQCC)

FOR CERTIFICATE
(7FL, Tower C, Jiahua Plaza, No.9
Shangdi 3 St., Haidian, Beijing)



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国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C035-M

NOTE: This certificate shall be maintained by regular surveillance audit.
The validity of the certificate can be verified by scanning QR code.
The information of the certificate can be available in <http://www.cnca.gov.cn>,
the website of CNCA, and in our website <http://www.xqcc.com.cn>.





Simpex Electronic Ltd. is performing a supplier evaluation every year. Since the company

Skynet Electronic Co. Ltd.

TW - ROC- Taipei

reached 100%, it attained the status **A-supplier 2022.**

On behalf of the management and of the whole staff of Simpex Electronic Ltd., we congratulate you on this good result.

We are looking forward to our further mutually beneficial cooperation.

Simpex Electronic AG

A handwritten signature in blue ink, appearing to read 'JRuf', is positioned above the name and title of the signatory.

Jill Ruf
CEO

Qualified Customized Project Agents

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 Fax: 1.714.617.5087
 kao@skynetla.com
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 www.leddco.com
 Attn: Johnny Shihv

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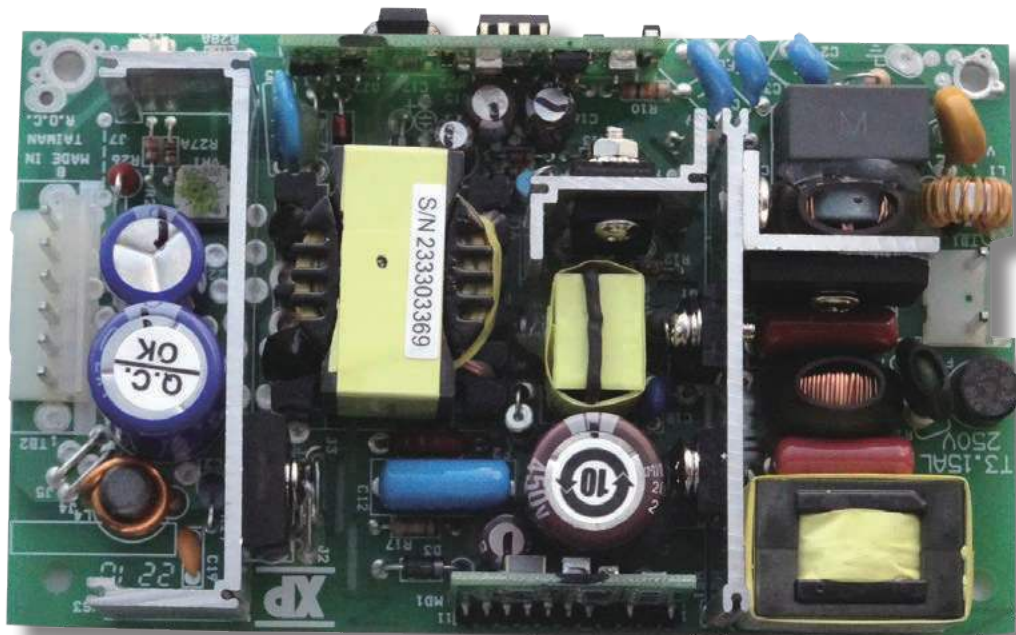
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