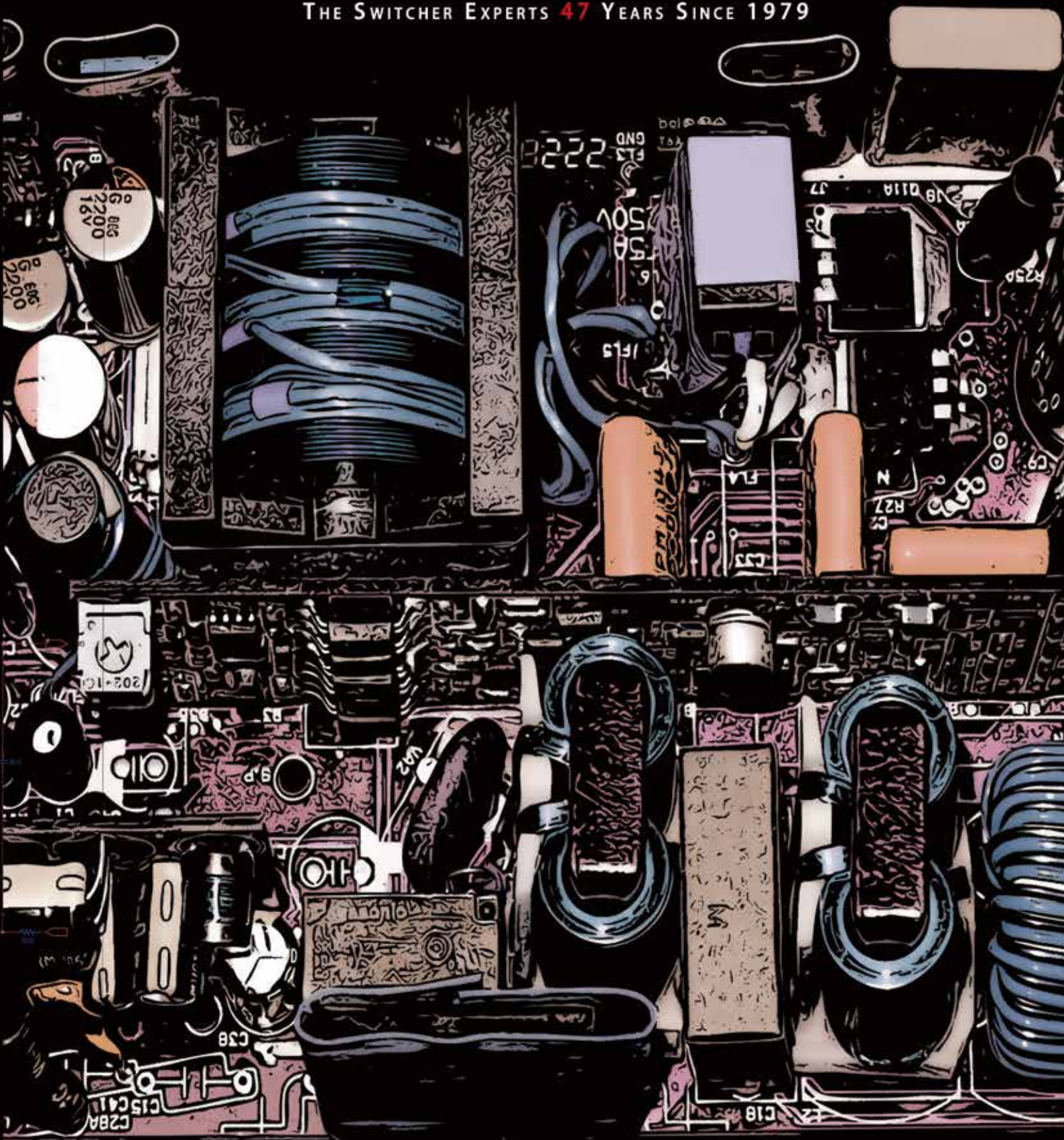


SKYNET

THE SWITCHER EXPERTS **47** YEARS SINCE 1979



PRODUCTS CATALOGUE **2026**

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.



Headquarters and Factories



Headquarters (Taipei)



Factory (Taipei)



Factory (Hangzhou)

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.

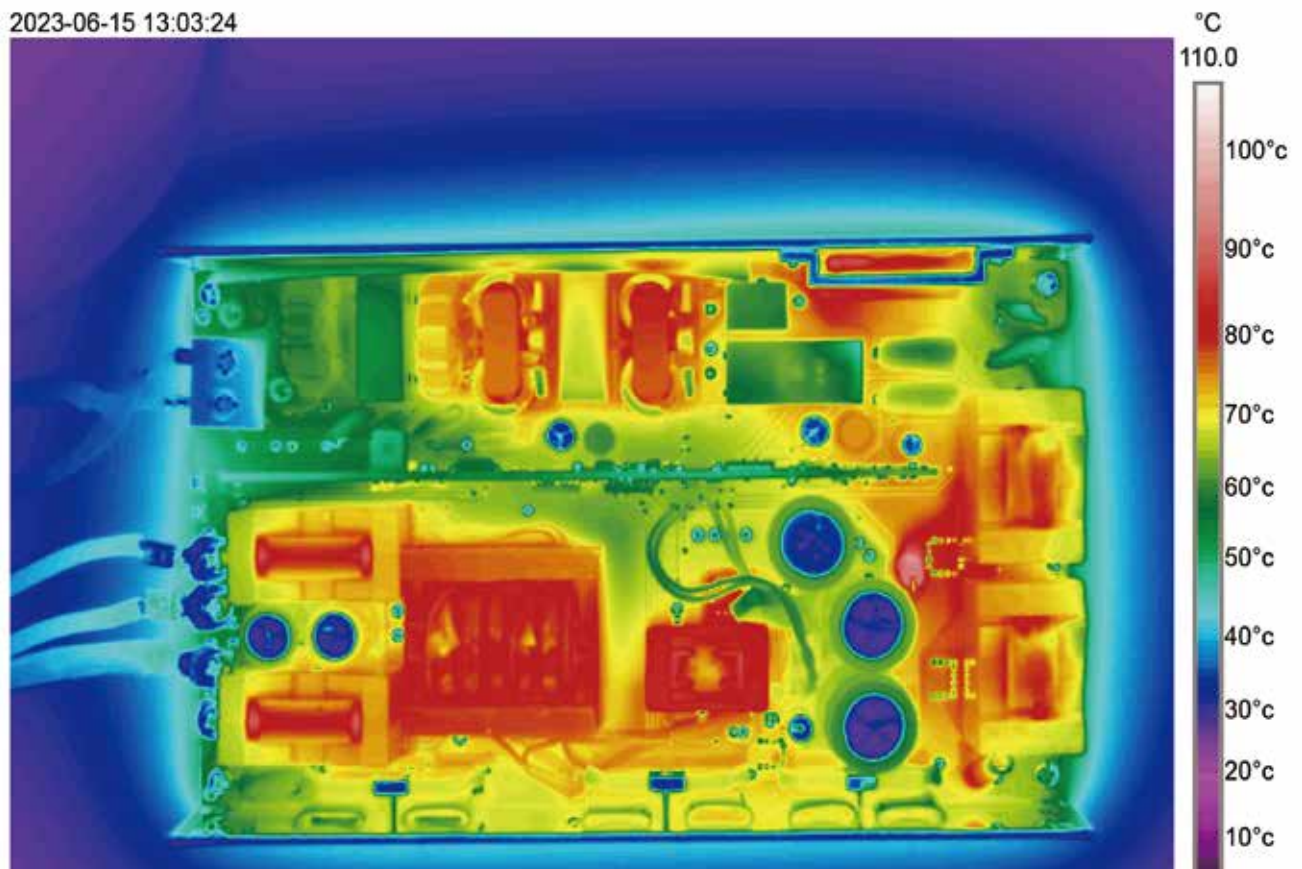
The same approach will be extended to our services, even for units that were manufactured 30 years ago. We will repair them free of charge, as these products bear the name of Skynet.



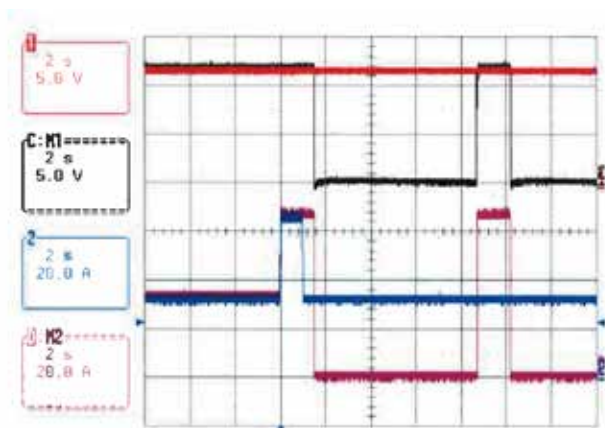
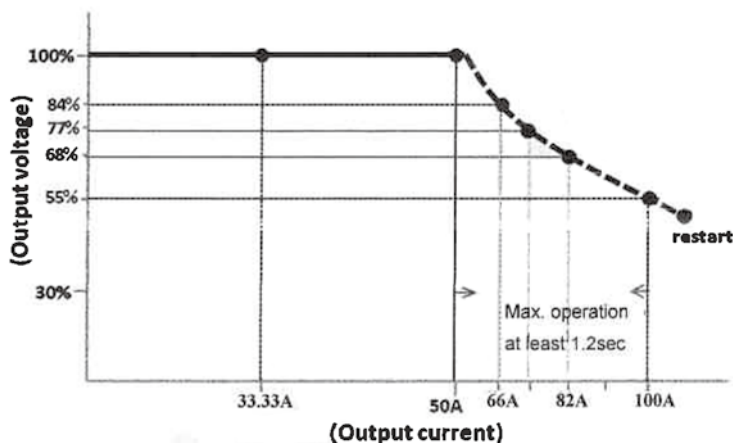
During the design-in stage, many customers request the MTBF and lifetime figures for their quality department. A longer MTBF indicates a lower failure rate during the lifetime period. However, there is no direct relationship between MTBF and lifetime. For instance, the average human lifespan is around 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.



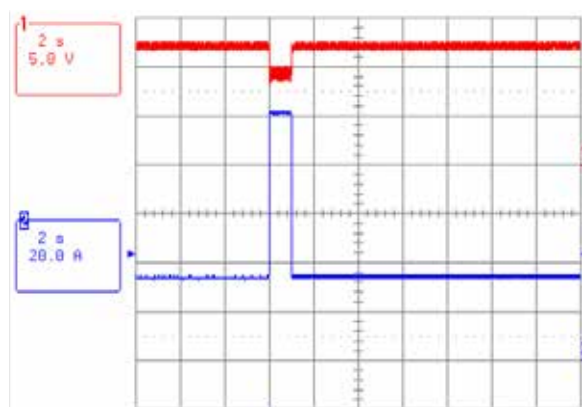
Many Skynet power supplies provide peak load and surge load capabilities instead of shutting down immediately when they reach an overload condition. This feature is beneficial for various applications, such as audio power amplifiers and motor drive systems.



Peak Load Behavior

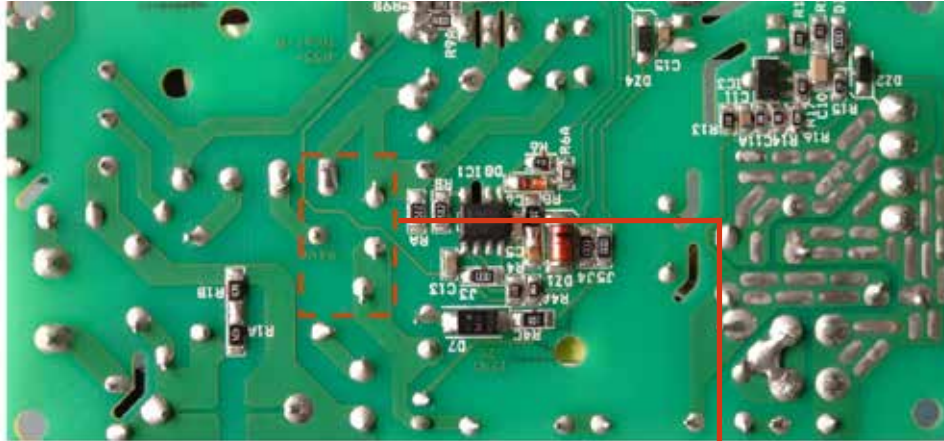
The red line represents a stable voltage, while the blue line indicates that the current jumps up to two times the rated current (peak current) for less than 1.2 seconds.

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.

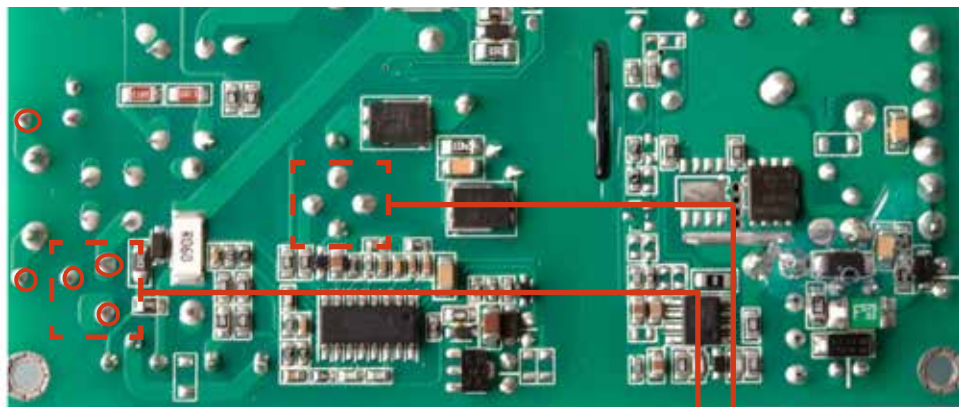
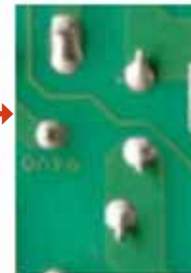


Surge Load Behavior

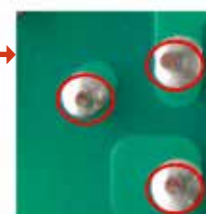
The red line represents a voltage drop-down, while the blue line indicates that the current jumps up to three times the rated current (surge current) for less than 1.2 seconds. If it lasts longer than 1.2 seconds, then the power supply will go into auto recovery mode.



Skynet's process involves cutting and clinching the leads of insert components before soldering. After clinching, the components are securely fixed to the PCB and will not fall off. All cutting points are fully covered by solder in a single soldering process, ensuring no possibility of cold solder joints caused by oxidation permanently. This is the workmanship standard that Skynet employs.



Without the cutting and clinching process, components with long legs must be soldered twice. First, the leg is soldered, then cut to a shorter length. After cutting, a second soldering process is required to cover the exposed copper at the cut face, preventing oxidation and corrosion that could lead to a cold solder joint years later. In some cases, a third cut must be done manually. If the operator forgets to perform the soldering step, the risk of cold soldering remains.



How Skynet names the Model number

Skynet names its model numbers based on the wattage at convection cooling. For example, in model SNP-V169, the "16" represents a 160W rated load at 50°C under convection cooling. We do not use the wattage at forced-air cooling in the model number due to the poor reliability of fans before.



SNP-V169
160W : free air
250W : with fan
300W : for 3 seconds
Input : Class I
EMI : Class B
Size : 2" by 4"

XXX-200APB
140W : free air
200W : with fan
Peak : N/A
Input : Class I
EMI : Class B
Size : 2" by 4"

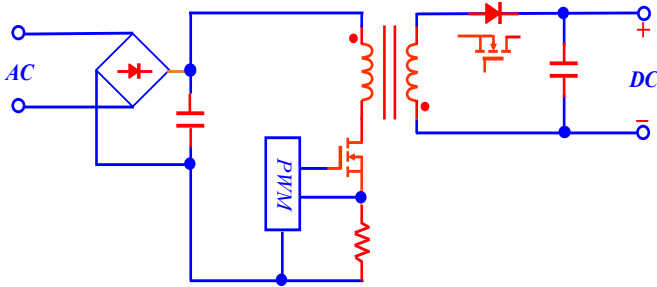
XXX250M
155W : free air
250W : with fan
Peak : N/A
Input : Class I
EMI : Class B
Size : 2" by 4"

XXX-200
140W : free air
200W : with fan
300W : N/A
Input : Class I
EMI : Class B
Size : 2" by 4"

XXX250-M
155W : free air
250W : with fan
Peak : N/A
Input : Class I
EMI : N/A
Size : 2" by 4"

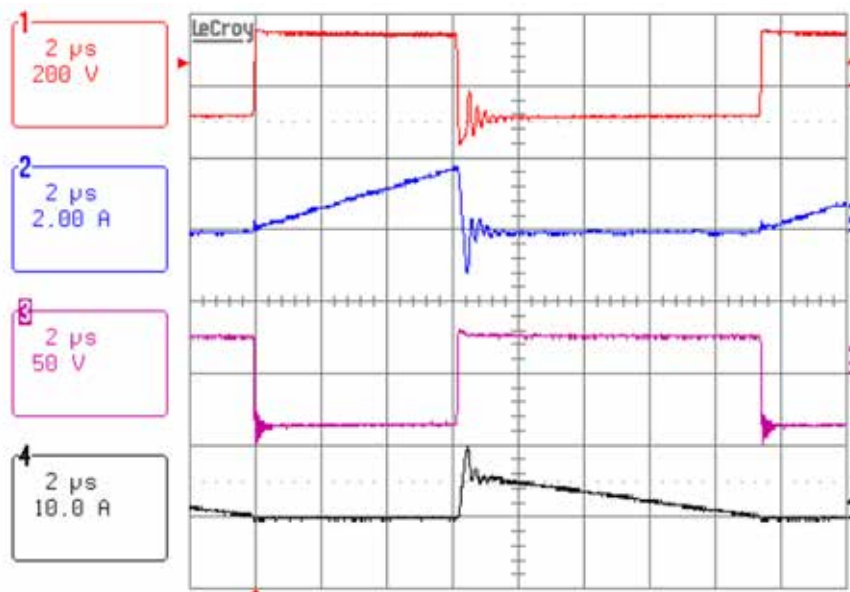
| Model | Topology Description | Notes |
|---------|--|--------|
| SNP-9 | Fixed 35kHz frequency flyback hard switching. | EOL |
| SNP-HF | Flyback hard switching. Fixed 65kHz at heavy load and reduce to 20kHz after middle load. | Active |
| SNP-Z | Fixed 60kHz asymmetrical ZVS flyback. | Active |
| SNP-X | Same as SNP-Z (size smaller). | Active |
| SNP-V | Same as SNP-Z (size much smaller). | Active |
| SNP-B | SNP-Z with enclosure. | Active |
| SNP-Y | Fixed 60kHz asymmetrical boost flyback. | Active |
| SNP-S | Same as SNP-Y down sizing and higher efficiency. | Active |
| SNP-C | SNP-Y with enclosure. | Active |
| SNP-M | SNP-V plus 3 DC to DC daughter board. | Active |
| SNP-G | Use LLC resonant switching controller. | Active |
| SNP-P | Same as SNP-G plus 5V standby. | Active |
| SNP-G6 | Use full bridge LLC resonant controller. | Active |
| SNP-P6 | Same as SNP-G6 plus 5V standby. | Active |
| SNP-F5 | Use MPU to perform as full bridge phase shift controller. | Active |
| SNP-F8 | Same as SNP-F5. | Active |
| SNP-F1K | Same as SNP-F5 but in primary side use 4 MOS to replace bridge diode. | Active |
| SNP-E | With enclosure plus fan to reach max. output power for each family. | Active |
| SNP-A | Adapter (can be any topology). | Active |

Topology



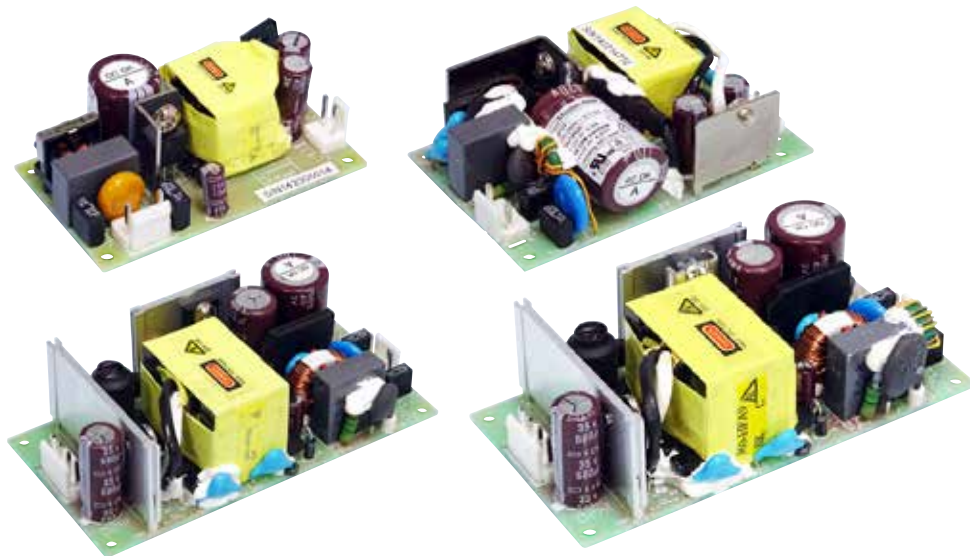
The HF family uses flyback topology. Its operation involves drawing energy from the DC source through the primary winding and then transferring that energy to the secondary-side capacitor via the secondary winding. Reducing leakage inductance and parasitic capacitance on the primary side are key design challenges.

Operation



Specific Characteristics

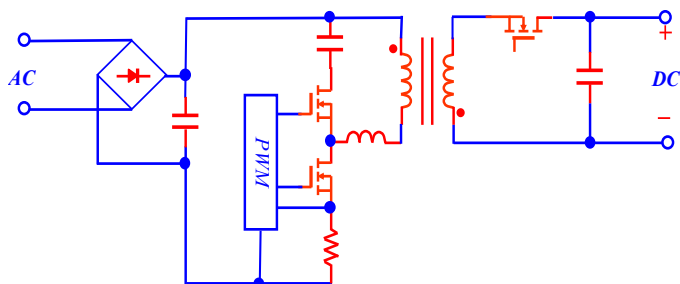
- The PWM operating frequency **gradually decreases** from mid-load to light-load conditions to maintain **overall efficiency**.
- **Sandwich winding** is used to minimize leakage inductances, reducing associated losses.
- **Synchronous rectification** is applied to lower losses in **low-voltage, high-current** models.



EMI EN55011 "B", EN61000-3-3
Harmonics..... EN61000-3-2, class A
EMS..... EN61000-4-2,-3,-4,-5,-6,-8,-11
Safety meet IEC/EN/UL 62368-1 3rd Ed.
IEC/EN 62368-1 2nd Ed.
IEC/EN/UL 60601-1

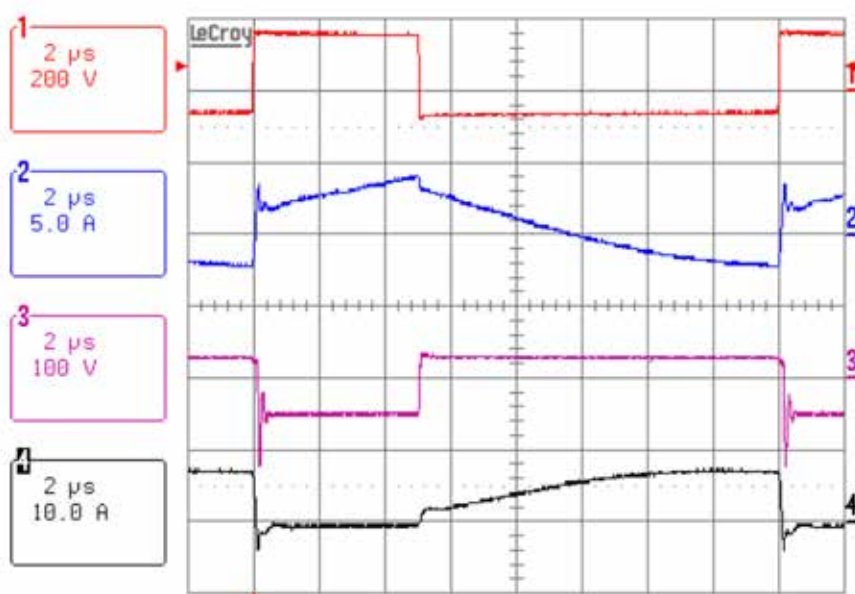
| Rated Power | Model No. | Output Voltage | Load (A) | | | Size WxLxH |
|-------------|--------------------------|----------------|----------|-------|-------|-------------------|
| | | | Rated | Max. | Peak | |
| 30W | SNP-HF37, HF37-A | +12V | 2.50 | 3.33 | 3.75 | 1.57"x2.76"x0.93" |
| | SNP-HF38, HF38-A | +15V | 2.00 | 2.67 | 3.00 | |
| | SNP-HF39, HF39-A | +24V | 1.25 | 1.67 | 1.88 | |
| | SNP-HF3T, HF3T-A | +48V | 0.63 | 0.83 | 0.94 | |
| 60W | SNP-HF67, HF67-A, HF67-H | +12V | 5.00 | 6.67 | 7.50 | 2"x3.17"x0.95" |
| | SNP-HF68, HF68-A, HF68-H | +15V | 4.00 | 5.33 | 6.00 | |
| | SNP-HF69, HF69-A, HF69-H | +24V | 2.50 | 3.33 | 3.75 | |
| | SNP-HF6T, HF6T-A, HF6T-H | +48V | 1.25 | 1.67 | 1.88 | |
| 80W | SNP-HF87, HF87-A, HF87-H | +12V | 6.66 | 7.50 | 9.00 | 2"x4"x1.18" |
| | SNP-HF88, HF88-A, HF88-H | +15V | 5.33 | 6.66 | 8.00 | |
| | SNP-HF89, HF89-A, HF89-H | +24V | 3.33 | 4.60 | 5.30 | |
| | SNP-HF8T, HF8T-A, HF8T-H | +48V | 1.67 | 2.10 | 2.71 | |
| 100W | SNP-HFA7, HFA7-A, HFA7-H | +12V | 8.50 | 10.00 | 12.50 | 2"x4"x1.32" |
| | SNP-HFA8, HFA8-A, HFA8-H | +15V | 6.66 | 7.00 | 9.40 | 2"x4"x1.34" |
| | SNP-HFA9, HFA9-A, HFA9-H | +24V | 4.17 | 5.42 | 6.25 | 2"x4"x1.18" |
| | SNP-HFAT, HFAT-A, HFAT-H | +48V | 2.10 | 2.70 | 2.92 | |

Topology



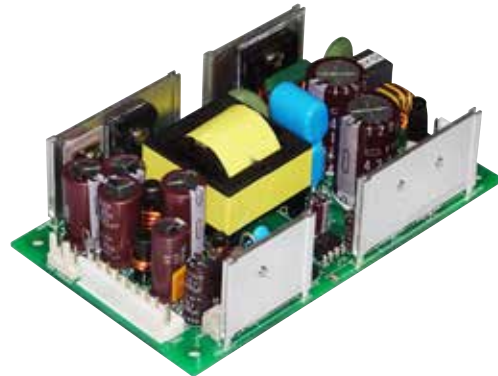
The S family uses an asymmetrical ZVS boost flyback topology. Its advantage is that leakage energy is stored and released to the secondary side while also enabling zero-voltage switching for both primary-side power MOSFETs. As a result, efficiency increases and EMI performance improves, making it well-suited for medical home healthcare equipment.

Operation



Specific Characteristics

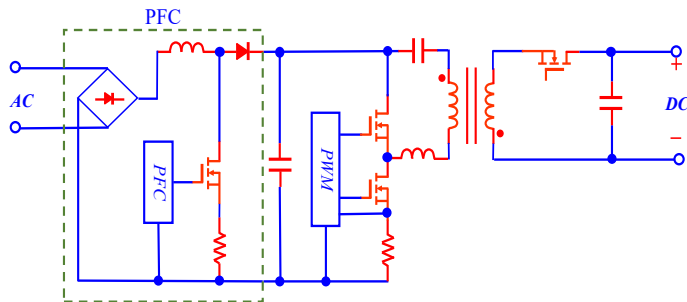
- Since PFC regulation **is not mandatory** for medical applications, this topology **naturally becomes** a low-cost solution.
- Leakage inductance energy **can be recycled** through active clamp circuitry.
- This design is well-suited for creating multiple outputs due to **low cross-regulation** for auxiliary outputs.



EMI EN55011 "B", EN55032 "B", EN61000-3-3
Harmonics..... EN61000-3-2, class A
EMS..... EN61000-4-2, -3, -4, -5, -6, -8, -11
Safety meet IEC/EN/UL 62368-1, 2nd Ed.
IEC/EN/UL 60950-1, 2nd Ed.
IEC/EN/UL 60601-1

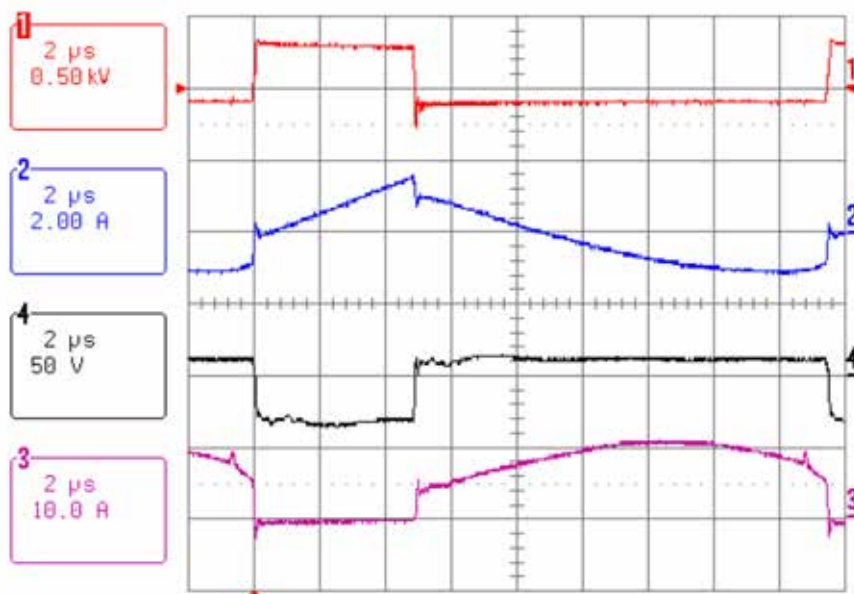
| Rated Power | Model No. | Output Voltage | Load (A) | | Size WxLxH |
|-------------|---|----------------|----------|-------|--------------------------------|
| | | | Rated | Peak | |
| 60W | SNP-S066 | +5V | 12.00 | 18.00 | 2.39"x4"x1.406" /1.418"(-H) |
| | SNP-S061, S061-H (Class I) (Class II) | +5V | 4.00 | 6.40 | |
| | | +12V | 3.00 | 5.00 | |
| | | -12V | 0.30 | | |
| | SNP-S063, S063-H (Class I) (Class II) | +5V | 4.00 | 6.40 | |
| | | +12V | 3.30 | 5.33 | |
| | | -12V | 0.30 | 0.30 | |
| 150W | SNP-S15F-M | +5V | 5.00 | 5.00 | 3"x5"x1.42" |
| | (Class I) | +24V | 4.00 | 6.00 | |
| | SNP-S15F-MH | +12V | 2.00 | 2.00 | |
| | (Class II) | -12V | 0.30 | 0.30 | |

Topology



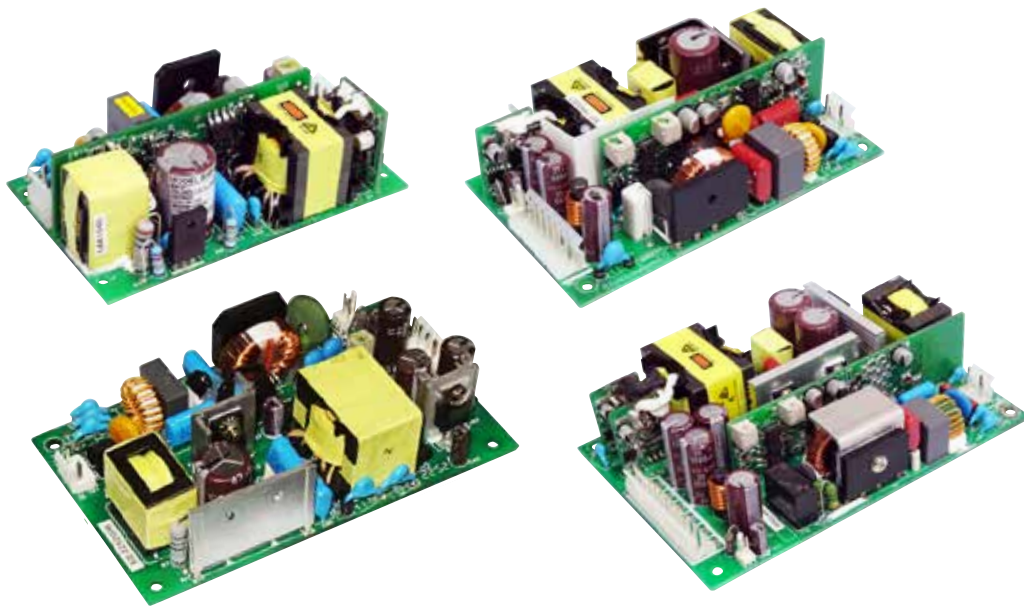
The V family uses an asymmetrical ZVS flyback topology. A larger series capacitor is placed between the DC source and the primary winding. This capacitor stores one-third of the energy, allowing the transformer to be two-thirds smaller. Its operation is similar to the S family. However, since it cannot handle a wide input DC voltage range, PFC circuitry must be used. The advantage is that it can support up to 300W.

Operation



Specific Characteristics

- The PFC section is essential for universal input applications.
- The output voltage offers **a wide range of adjustable capability**.
- With forced air cooling, the output power **can reach 250W within a compact 2"x4" form factor**.
- This topology is well-suited for generating multiple outputs, benefiting from **low cross-regulation in auxiliary outputs**.

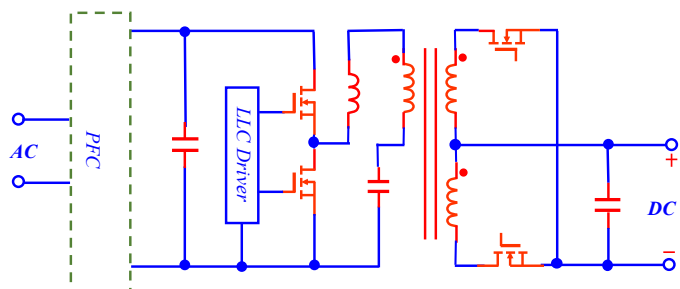


| | |
|---|----------------------------|
| Input voltage | 90 VAC to 264 VAC |
| Input frequency | 47 Hz to 63 Hz |
| Inrush current | < 30/60A at 115/230VAC |
| Hold up time | >16ms |
| Over load/Short circuit protection | auto recovery |
| Over voltage protection | latch off |
| Operating temperature | -30°C to 70°C |
| | derating: 2.5% / °C > 50°C |
| Storage temperature | -40°C to +85°C |

EMI EN55022 "B", EN61000-3-3
Harmonics..... EN61000-3-2, class A & D
EMS.....EN61000-4-2,-3,-4,-5,-6,-8,-11
Safety meet IEC/EN/UL 60950-1, 2nd Ed.
IEC/EN/UL 60601-1

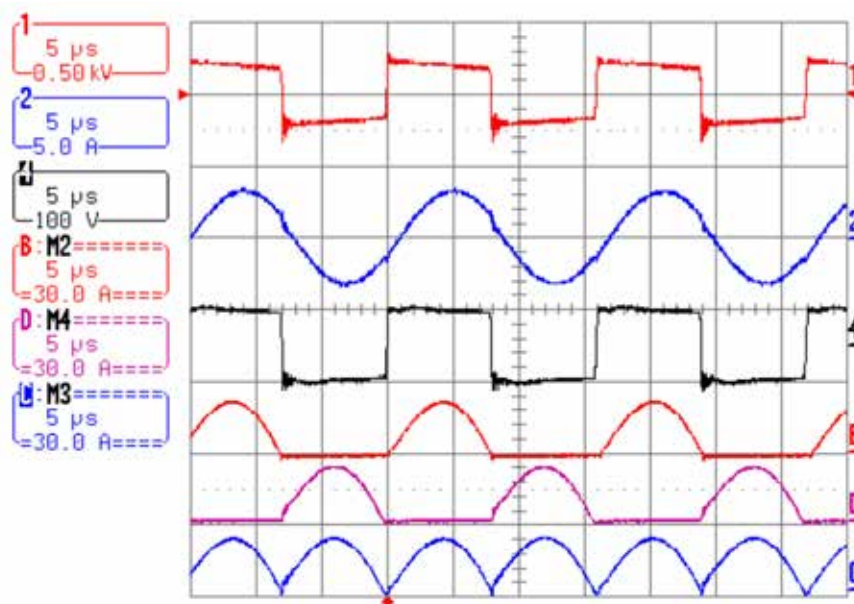
| Rated Power | Model No. | Output Voltage | Load (A) | | | Size WxLxH |
|-------------|--------------------------|----------------|----------|-------|-------|----------------|
| | | | Rated | Max. | Peak | |
| 120W | SNP-V127 | +12V | 10.00 | 15.00 | 20.00 | 2.39"x4"x1.26" |
| | SNP-V129 | +24V | 5.00 | 7.50 | 10.00 | |
| 150W | SNP-V155 | +18V | 8.33 | 12.50 | 16.66 | 3"x5"x1.26" |
| | SNP-V157 | +12V | 12.50 | 18.75 | 25.00 | |
| | SNP-V159 | +24V | 6.25 | 9.375 | 12.50 | |
| 160W | SNP-V16T | +48V | 3.33 | 5.20 | 6.25 | 2"x4"x1.50" |
| 200W | SNP-V207, V207-C, V207-U | +12V | 16.60 | 25.00 | 30.00 | 3"x5"x1.36" |
| | SNP-V209, V209-C, V209-U | +24V | 8.30 | 12.50 | 15.00 | |
| 300W | SNP-V307, V307-C, V307-U | +12V | 25.00 | 33.30 | 40.00 | 4"x6"x1.38" |
| | SNP-V309, V309-C, V309-U | +24V | 12.50 | 16.70 | 20.00 | |

Topology



The G and P families use LLC resonant switching topology. The circuitry adjusts the operating frequency to maintain LC resonance. A resonant sinusoidal current flows through the primary winding, transfers to the secondary side, and is regulated by the capacitor. Unlike flyback topology, where the transformer stores energy, here it only facilitates energy transfer. This allows the transformer to be much smaller, utilize larger-diameter coils, and operate with higher efficiency. The P series builds upon G by incorporating a 5V standby output.

Operation



Specific Characteristics

- Since LLC topology requires a highly precise input voltage, the output voltage of the PFC must be carefully coordinated.
- The adjustable range of the output voltage is very narrow, making it difficult for customers to make significant adjustments themselves.
- The P family can be fully shut off via an external TTL signal.
- The 5V standby output supplies **0.25W** to the customer's system while keeping total power loss under **0.5W**.



EMI EN55011/EN55022 "B", EN61000-3-2,-3
Harmonics EN61000-3-2, class A & D
EMS..... EN61000-4-2,-3,-4,-5,-6,-8,-11
Safety meet IEC/EN/UL 60950-1, 2nd Ed.
IEC/EN 62368-1, 2nd Ed.
IEC/EN/UL 60601-1

Output Specifications

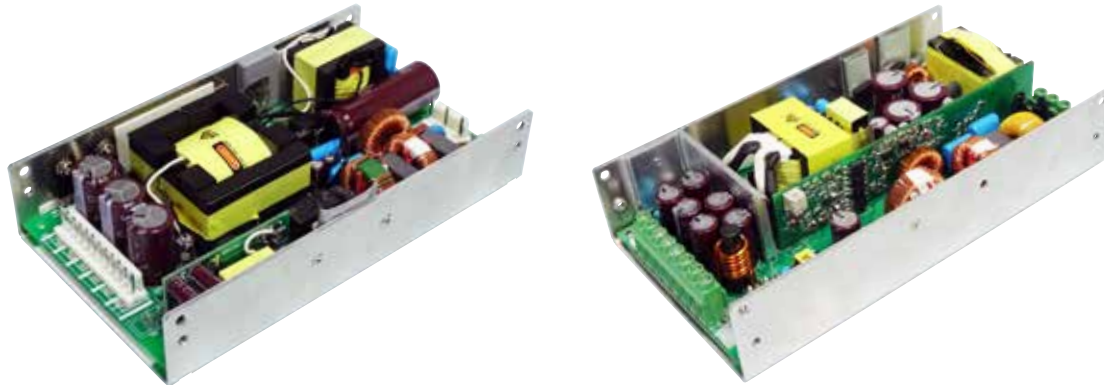
| Rated Power | Model No. | Output Voltage | Load (A) | | | Size WxLxH |
|-------------|-----------------------------|----------------|----------|-------|-------|---------------|
| | | | Rated | Max. | Peak | |
| 120W | SNP-G127-A, G127-MA, G127-H | +12V | 10.00 | 12.50 | 16.60 | 2"x4.2"x1.28" |
| | SNP-G128-A, G128-MA | +15V | 8.00 | 10.00 | 13.40 | |
| | SNP-G125-A, G125-MA | +18V | 6.60 | 8.30 | 11.10 | |
| | SNP-G129-A, G129-MA, G129-H | +24V | 5.00 | 6.30 | 8.30 | |
| | SNP-G12G-A, G12G-MA | +28V | 4.30 | 5.40 | 7.20 | |
| | SNP-G12J-A, G12J-MA | +36V | 3.40 | 4.20 | 5.60 | |
| | SNP-G12T-A, G12T-MA, G12T-H | +48V | 2.50 | 3.10 | 4.20 | |
| 160W | SNP-G167-A, G167-MA | +12V | 13.30 | 20.00 | 26.60 | 3"x5"x1.44" |
| | SNP-G168-A, G168-MA | +15V | 10.66 | 16.60 | 21.30 | |
| | SNP-G165-A, G165-MA | +18V | 8.88 | 13.33 | 17.80 | |
| | SNP-G169-A, G169-MA | +24V | 6.66 | 10.00 | 13.30 | |
| | SNP-G16G, G16G-MA | +28V | 5.70 | 8.55 | 11.40 | |
| | SNP-G16J-A, G16J-MA | +36V | 4.45 | 6.66 | 8.90 | |
| | SNP-G16T-A, G16T-MA | +24V | 8.40 | 12.50 | 16.70 | |







| | |
|---|----------------------------|
| Input voltage | 90 VAC to 264 VAC |
| Input frequency | 47 Hz to 63 Hz |
| Standby power | < 0.2W at no load |
| (remote off status) | < 0.5W at 5Vsb/40mA output |
| Inrush current | < 30/60A at 115/230VAC |
| Hold up time | 18~20ms |
| Over load/Short circuit protection | auto recovery |
| Over voltage protection | latch off |
| Operating temperature | -30°C to 70°C |
| | derating: 2.5% / °C > 50°C |
| Storage temperature | -40°C to +85°C |

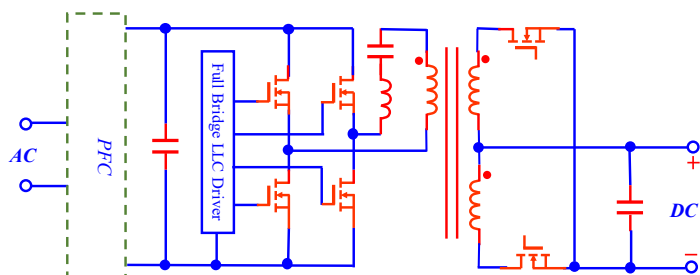


| | |
|---|----------------------------|
| Input voltage | 90 VAC to 264 VAC |
| Input frequency | 47 Hz to 63 Hz |
| Standby power | < 0.2W at no load |
| (remote off status) | < 0.5W at 5Vsb/40mA output |
| Inrush current | < 30/60A at 115/230VAC |
| Hold up time | 18~20ms |
| Over load/Short circuit protection | auto recovery |
| Over voltage protection | latch off |
| Operating temperature | -30°C to 70°C |
| | derating: 2.5% / °C > 50°C |
| Storage temperature | -40°C to +85°C |

EMI EN55022 "B", EN61000-3-3
Harmonics..... EN61000-3-2, class A & D
EMS.....EN61000-4-2,-3,-4,-5,-6,-8,-11
Safety meet IEC/EN 62368-1, 2nd Ed.
IEC/EN/UL 60950-1, 2nd Ed.
IEC/EN 60601-1, 3.1 Ed.

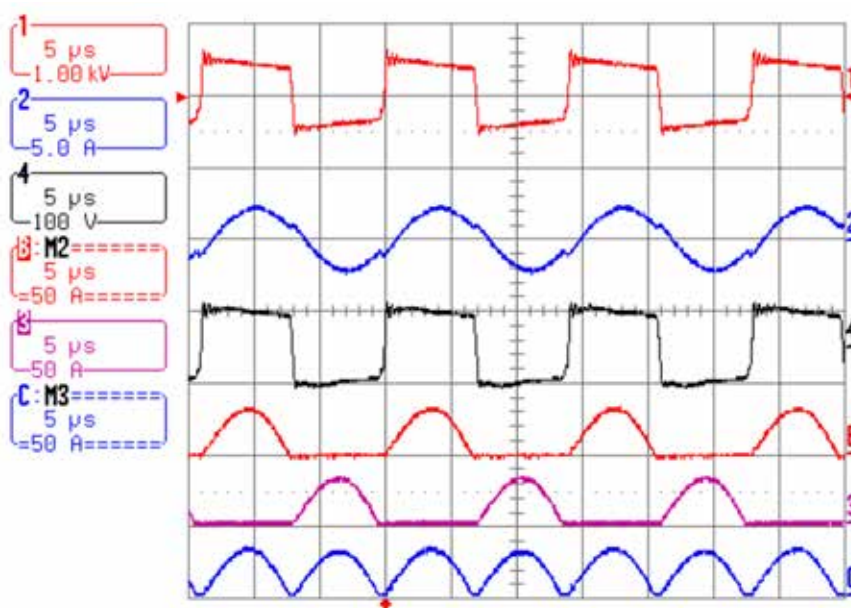
| Rated Power | Model No. | Output Voltage | Load (A) | | | | Size WxLxH |
|-------------|------------|----------------|---------------|---------------|-------|--------|-----------------|
| | | | Rated | Max. | Peak | Surge | |
| 300W | SNP-P307-S | +12V +5Vsb | 25.00 1.00 | 35.00 1.50 | 50.00 | 75.00 | 3.7"x6.6"x1.46" |
| | SNP-P309-S | +24V +5Vsb | 12.50 1.00 | 17.50 1.50 | 25.00 | 37.50 | |
| | SNP-P309 | +24V | 12.50 | 17.50 | 25.00 | 37.50 | |
| | SNP-P30H-S | +60V +5Vsb | 5.00 1.00 | 7.00 1.50 | 10.00 | 15.00 | |
| | SNP-P30H | +60V | 5.00 | 7.00 | 10.00 | 15.00 | |
| 400W | SNP-P407-S | +12V +5Vsb | 33.30 1.00 | 46.67 1.50 | 66.60 | 100.00 | 4"x7"x1.65" |
| | SNP-P409-S | +24V +5Vsb | 16.67 1.00 | 23.33 1.50 | 33.30 | 50.00 | |

Topology



The G6 and P6 families use full-bridge resonant topology, operating on the same principles as half-bridge LLC topology. In a half-bridge configuration, the voltage reflected to the primary winding is $1/2 V_{in}$, requiring a turns ratio of $N = 1/2(V_{in}/V_o)$. In a full-bridge setup, the turns ratio is calculated as $N = V_{in}/V_o$. The G6 series provides a 600W output, while the P6 series builds upon G6 by incorporating a 5V standby output.

Operation



Specific Characteristics

- Since LLC topology requires a highly precise input voltage, the output voltage of the PFC must be carefully coordinated.
- The adjustable range of the output voltage is very narrow, making it difficult for customers to make significant adjustments themselves.
- The P family can be fully shut off via an external TTL signal.
- The 5V standby output supplies **0.25W** to the customer's system while keeping total power loss under **0.5W**.



General Specifications

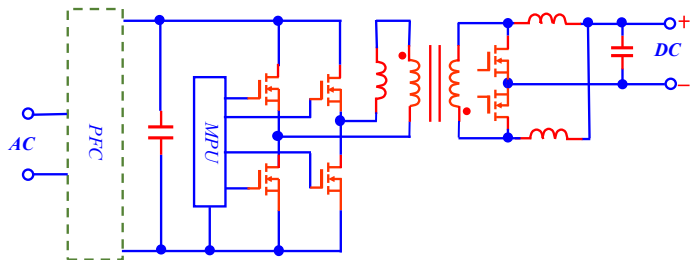
| | |
|---|---|
| Input voltage | 90 VAC to 264 VAC |
| Input frequency | 47 Hz to 63 Hz |
| Inrush current | < 30/60A at 115/230VAC |
| Hold up time | 18~20ms typical |
| Over load/Short circuit protection | auto recovery |
| Over voltage protection | latch off |
| Operating temperature | -20°C to 70°C derating: 2.5% / °C > 50°C |
| Storage temperature | -40°C to +85°C |

EMI EN55011/EN55022 "B", EN61000-3-2,-3
Harmonics EN61000-3-2, class A & D
EMS..... EN61000-4-2,-3,-4,-5,-6,-8,-11
Safety meet IEC/EN/UL 60950-1, 2nd Ed.
IEC/EN 62368-1, 2nd Ed.
IEC/EN/UL 60601-1

Output Specifications

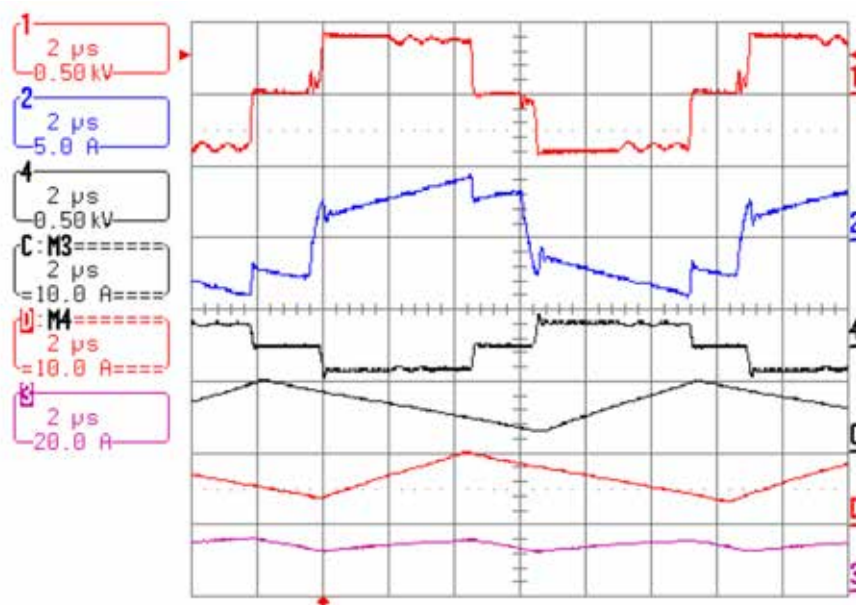
| Rated Power | Model No. | Output Voltage | Load (A) | | | | Size WxLxH |
|-------------|------------------|----------------|----------|-------|-------|--------|----------------|
| | | | Rated | Max. | Peak | Surge | |
| 600W | SNP-G607, G607-M | +12V | 50.00 | 62.50 | 80.00 | 120.05 | 5"x8.15"x1.66" |
| | SNP-G609, G609-M | +24V | 25.00 | 31.25 | 40.00 | 75.00 | |
| 600W | SNP-P607-S | +12V | 50.00 | 62.50 | 80.00 | 120.00 | 5"x8.15"x1.66" |
| | SNP-P609-S | +24V | 25.00 | 31.25 | 40.00 | 75.00 | |

Topology



The F family uses phase-shift full-bridge ZVS topology. The primary side consists of four power MOSFETs driven by four phase-shift signals generated by a single pulse-width modulator. A series inductor with the primary winding aids in ZVS operation. The transformer transfers DC voltage from the primary winding to the secondary winding, charging the power inductor on the secondary side. A current doubler topology is used on the secondary side, where one inductor is charged while the other discharges. This topology supports up to 1000W.

Operation

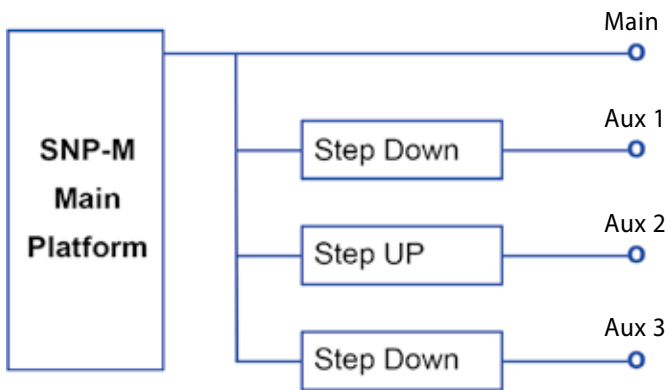


Specific Characteristics

- For high-wattage applications, the full-bridhge phase-shift topology combined with a current doubler is an ideal match.
- All power MOSFETs operate in soft-switching mode.
- The 12V output is designated for the fan, with adjustable speed control.
- A remote sense input compensates for **voltage** loss in wiring.



Topology



The topology of the SNP-M main platform is the same as that of the V family, allowing the main output to be adjusted more widely according to customer requests. Three DC-to-DC daughter boards can be chosen as auxiliary outputs.

Daughter Boards for Aux.



12V/8A



5V/4.5A



5V/9A



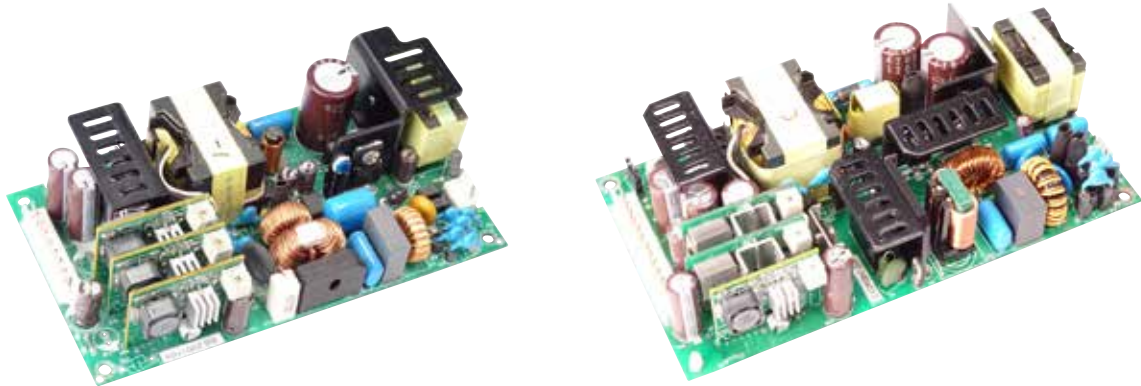
-12V/2.5A



12V/4A



-12V/1.25A



General Specifications

Input voltage 90 VAC to 264 VAC
 Input frequency 47 Hz to 63 Hz
 Inrush current < 30/60A at 115/230VAC
 Hold up time 18ms typical
 Over load/Short circuit protection auto recovery
 Over voltage protection latch off
 Operating temperature -30°C to 70°C
 derating: 2.5% / °C > 50°C for each output

EMI EN55032 "B", EN55011 "B"
 Harmonics EN61000-3-2, class A & class D
 Flicker EN61000-3-3
 EMS..... EN55024, EN60601-1-2:4th edition
 Safety meet IEC/EN/UL 62368-1, 2nd Ed.
 IEC/EN/UL 60601-1

Output Specifications

| Rated Power | Model No. | Output Voltage | Load (A) | | | Size WxLxH |
|-------------|-------------------------------|------------------------------|-------------------------------|--------------------------------|-------|-----------------|
| | | | Rated | Max. | Peak | |
| 150W | SNP-M159-1, M159-1U, M159-1C | +24V +5V +12V -12V | 3.20 4.50 4.00 1.25 | 5.00 5.00 4.50 1.66 | 9.00 | 3.15"x5.9"x1.4" |
| | SNP-M159-2, M159-2U, M159-02C | +24V +5V +36V -12V | 3.50 4.50 1.30 0.60 | 5.40 5.00 1.70 1.00 | 9.00 | |
| | SNP-M159-3, M159-3U, M159-3C | +24V +12V +36V -12V | 3.50 4.00 1.30 0.60 | 5.40 4.50 1.70 1.00 | 9.00 | |
| | SNP-M159-4, M159-4U, M159-4C | +24V +5V +48V -12V | 3.50 4.50 1.00 0.60 | 5.40 5.00 1.30 1.00 | 9.00 | |
| | SNP-M159-5, M159-5U, M159-5C | +24V +12V +48V -12V | 3.50 4.00 1.00 0.60 | 5.40 4.50 1.30 1.00 | 9.00 | |
| 300W | SNP-M309-1 | +24V +5V +12V -12V | 7.00 9.00* 8.00 2.50 | 10.00 10.00 9.00 3.30 | 25.00 | 4"x6"x1.49" |

* Total combined power on +5V and +12V rail is 100W maximum.

SNP-E is a family with forced air

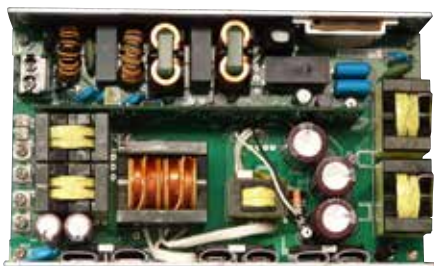
Our products have always featured a long life time. However, due to the rapid advancement in industrial technology, a long life time for power supplies is not always necessary in some cases. Therefore, we have added a fan and an enclosure to increase the output power, providing a cost-effective solution. This product line will be called the SNP-E family.



SNP-V16T (160W), Size: 2"x4"x1.50"



SNP-E25T (250W)



SNP-F50T (500W), Size: 4.5"x7.5"x1.7"



SNP-E75T (750W)



SNP-F80T (800W), Size: 4.5"x9.65"x1.9"



SNP-EK1T (1100W)



SNP-V16 Series

General Specifications

Input voltage 90 VAC to 264 VAC
Input frequency 47 Hz to 63 Hz
Inrush current < 30/60A at 115/230VAC
Hold up time >16ms
Over load/Short circuit protection auto recovery
Over voltage protection latch off
Operating temperature -30°C to 70°C
derating: 2.5% / °C > 50°C
Storage temperature -40°C to +85°C

EMI EN55022 "B", EN61000-3-3
Harmonics..... EN61000-3-2, class A & D
EMS..... EN61000-4-2,-3,-4,-5,-6,-8,-11
Safety meet IEC/EN/UL 60950-1, 2nd Ed.
IEC/EN/UL 60601-1

Output Specifications

| Rated Power | Model No. | Output Voltage | Load (A) | | | | Size WxLxH |
|-------------|-----------|----------------|----------|------|------|-------|-----------------|
| | | | Rated | Max. | Peak | Surge | |
| 250W | SNP-E25T | +48V | 5.20 | | 6.25 | | 2.4"x4.5"x2.14" |



SNP-G20 Series



General Specifications

Input voltage 85 VAC to 264 VAC
 Input frequency 47 Hz to 63 Hz
 Inrush current < 40at 115VAC
 (cold start at 25°C) or < 80A at 230VAC
 Hold up time > 16 ms
 Over load/Short circuit protection auto recovery
 Over voltage protection latch off
 Operating temperature -20°C to 40°C
 Derating 2.5%/°C, > 40°C
 Storage temperature -20°C to +85°C

DC OK indicator green LED
 EMI FCC class "B"
 CISPR22 level "B"
 Harmonics EN61000-3-2 class A & D
 EMS EN61000-4-2, -3, -4, -5,-6,-8-11
 Safety meet IEC/EN 62368-1, 2nd Ed.
 IEC/EN/UL 60950-1, 2nd Ed.
 IEC/EN/UL 60601-1

Output Specifications

| Rated Power | Model No. | Output Voltage | Load (A) | | | Size WxLxH |
|-------------|-------------------|----------------|----------|-------|-------|---------------|
| | | | Rated | Max. | Peak | |
| 300W | SNP-E307, E307-M | +12V | 16.50 | 25.00 | 33.00 | 3.3"x5"x2.13" |
| | SNP-E308, E308-M | +15V | 12.00 | 18.00 | 22.50 | |
| | SNP-E305, E305-M | +18V | 11.10 | 16.60 | 22.30 | |
| | SNP-E309, E309-M | +24V | 8.40 | 12.50 | 16.70 | |
| | SNP-E30G, E30G-M | +28V | 7.20 | 10.70 | 13.00 | |
| | SNP-E30J, E30J-M | +36V | 5.60 | 8.30 | 11.00 | |
| | SNP-E30T, E30T-MA | +48V | 4.20 | 6.30 | 8.40 | |



SNP-F50 Series

General Specifications

| | |
|--|----------------------------|
| Input voltage | 90 VAC to 264 VAC |
| Input frequency | 47 Hz to 63 Hz |
| Inrush current | < 30/60A at 115/230VAC |
| Hold up time | 12ms typical |
| Over load/Short circuit protection | latch off |
| Over voltage protection | latch off |
| Operating temperature | -20°C to 70°C |
| | derating: 2.5% / °C > 50°C |
| Storage temperature | -40°C to +85°C |

EMI EN55011/EN55022 "B", FCC "B"
 Harmonics..... EN61000-3-2, class A & D
 EMS..... EN61000-4-2,-3,-4,-5,-6,-8,-11
 Safety meet IEC/EN/UL 60950-1, 2nd Ed.

Output Specifications

| Rated Power | Model No. | Output Voltage | Load (A) | | | | Size WxLxH |
|-------------|-----------|----------------|----------|------|-------|-------|---------------|
| | | | Rated | Max. | Peak | Surge | |
| 750W | SNP-E759 | +24V | 31.30 | | 41.60 | | 4.5"x9"x1.7" |
| | SNP-E75T | +48V | 15.62 | | 41.60 | | |
| | SNP-E75H | +63V | 12.00 | | 16.00 | 24.00 | |





General Specifications

| | |
|---|--------------------------|
| Input voltage | 90 VAC to 264 VAC |
| Input frequency | 47 Hz to 63 Hz |
| Hold up time | 16~20 ms typical |
| Over load/Short circuit protection | auto recovery |
| Over voltage protection | latch off |
| Operating temperature | -20°C to 40°C |
| | Derating 2.5%/°C, > 40°C |
| Storage temperature | -20°C to +85°C |

EMIFCC class "B", CISPR22 level "B"
Harmonics..... EN61000-3-2, class A & D
EMS.....EN61000-4-2,-3,-4,-5,-6,-8,-11
Safety meet IEC/EN/UL 60950-1, 2nd Ed.
IEC/EN/UL 60601-1

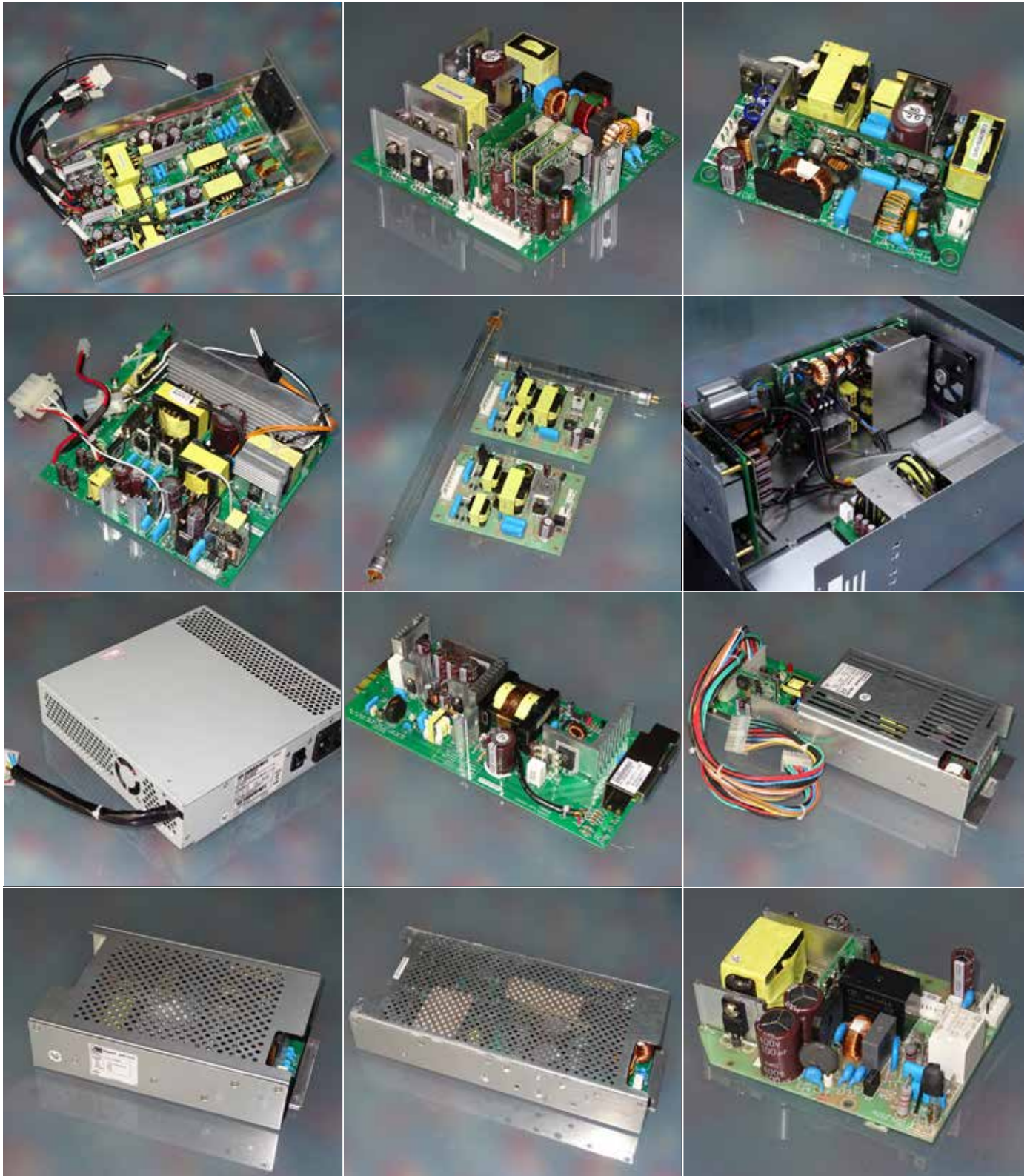
Output Specifications

| Rated Power | Model No. | Output Voltage | Load (A) | | | Size (WxLxH) mm |
|-------------|------------|----------------|----------|------|-------|--------------------|
| | | | Rated | Max. | Peak | |
| 40W | SNP-A047-Y | +12V | 3.70 | | 5.60 | 54x110x33.6 |
| | 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-A159-G | +24V | 6.25 | | 9.375 | 95x180x55 |
| | SNP-A15T-G | +48V | 3.125 | | 4.68 | |
| 250W | SNP-A259-G | +24V | 10.42 | | 15.62 | 95x210x55 |
| | SNP-A25T-G | +48V | 5.21 | | 7.81 | |
| 350W | SNP-A359-G | +24V | 14.58 | | 21.87 | 95x250x55 |
| | SNP-A35T-G | +48V | 7.29 | | 10.94 | |

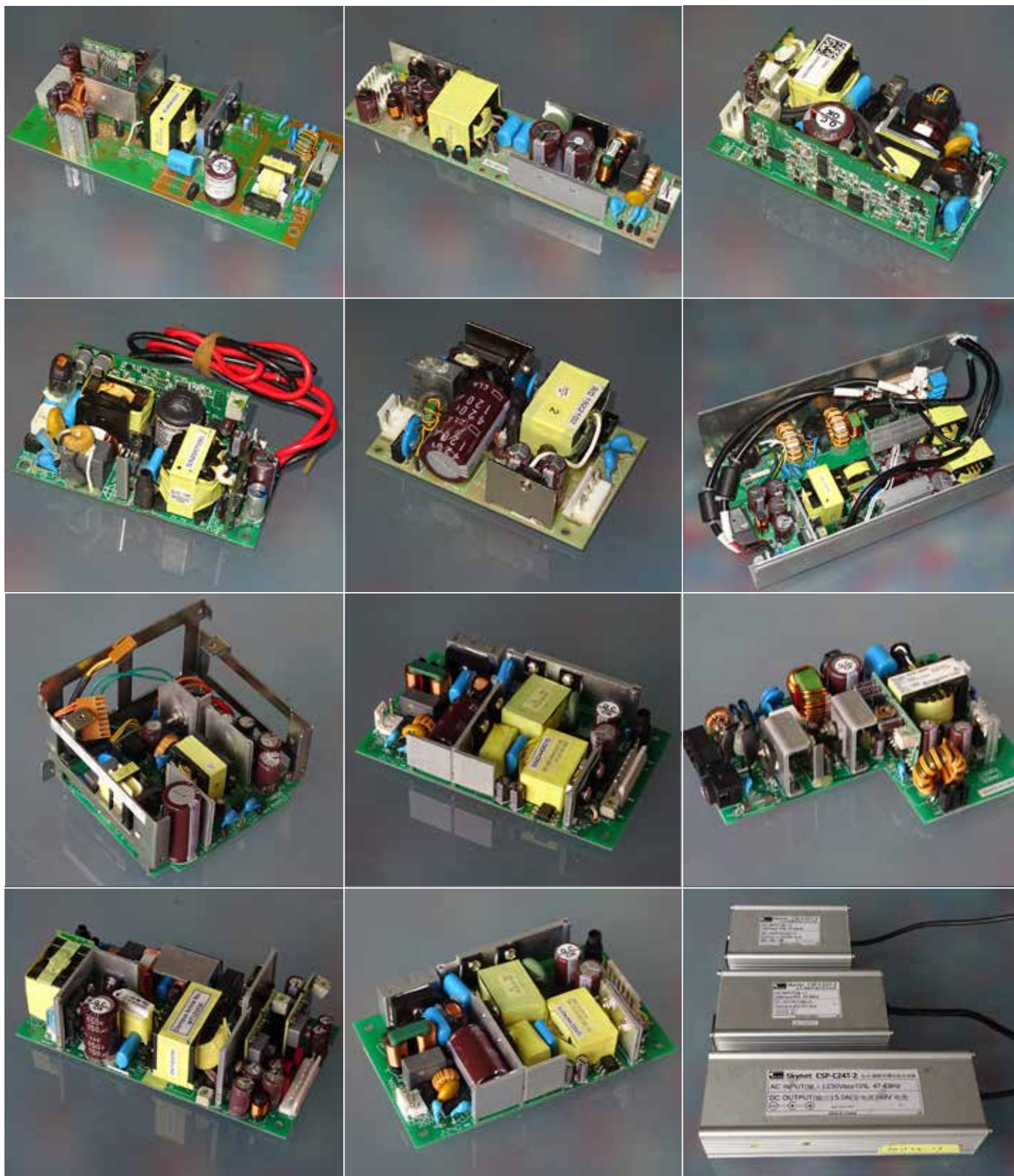
Skynet gladly welcomes modified standard or custom designs.



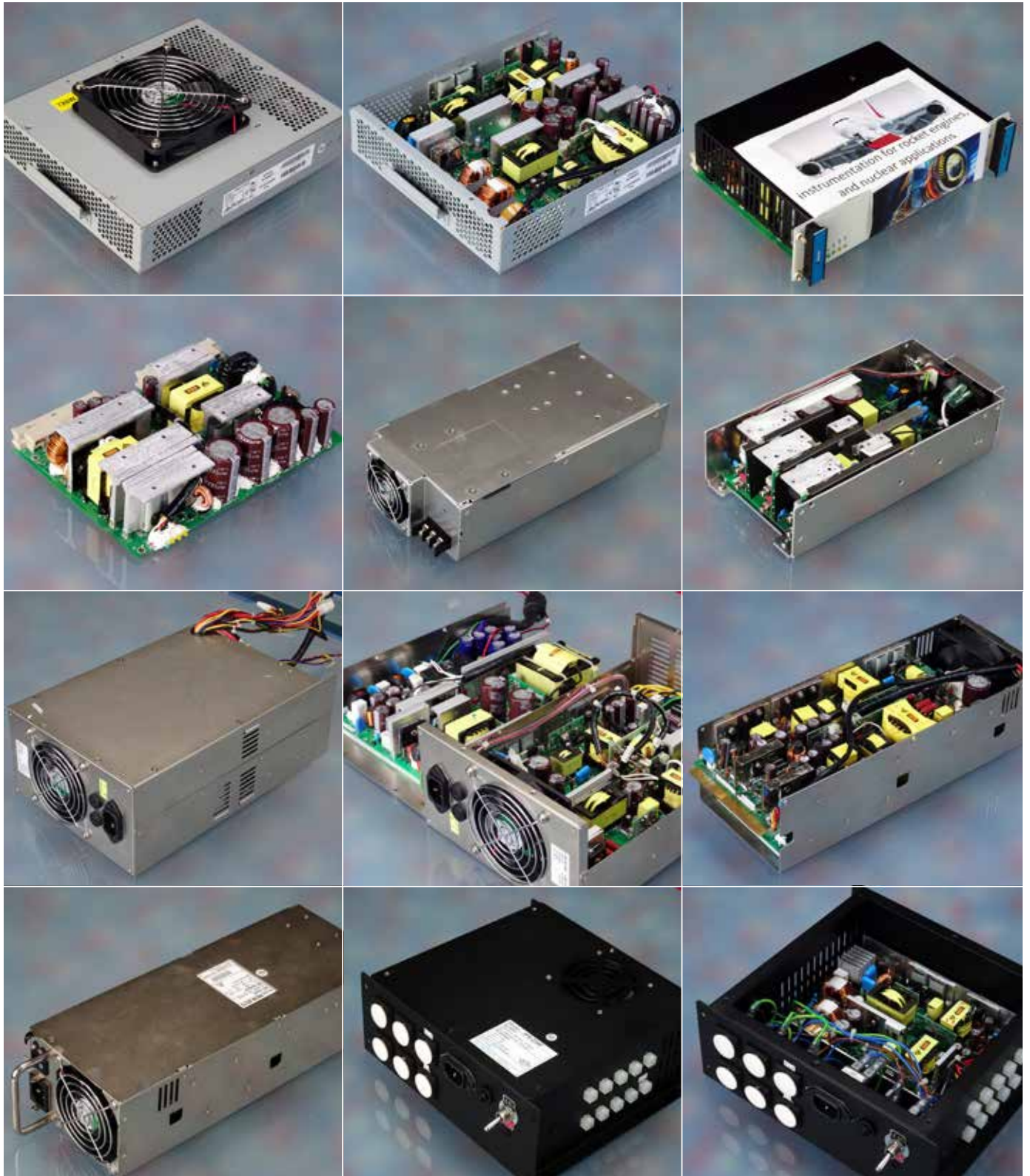
Skynet gladly welcomes modified standard or custom designs.



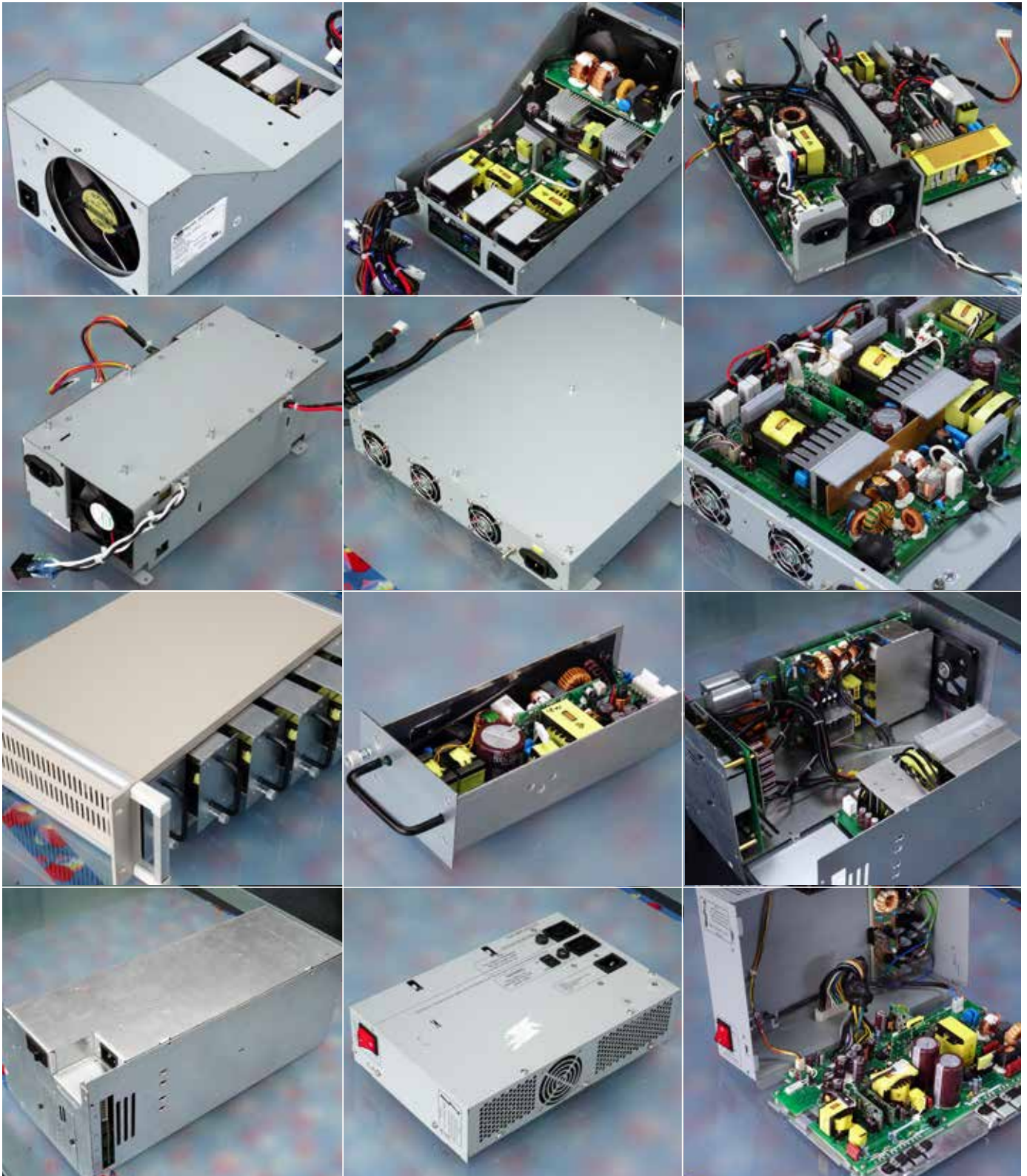
Skynet gladly welcomes modified standard or custom designs.



Skynet gladly welcomes modified standard or custom designs.



Skynet gladly welcomes modified standard or custom designs.





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 Prescot 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

1/2



0008

22 Mar 2023



QUALITY MANAGEMENT SYSTEM CERTIFICATE

Registration No. 0350220Q30461R0M

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, Jishun Plaza, No. 9
Shangdi 3 St., Haidian, Beijing)



中国认可
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 reached 100%,

Skynet Electronic Co. Ltd.
Nan Kan District, ROC- Taipei

it attained the status **A-supplier 2024.**

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 "J Wäspi".

Jill Wäspi
CEO

Qualified Customized Project Agents

California, USA Amtek Electronic Co.

Tel: 1.714.617.5158
Fax: 1.714.617.5087
kao@skynetla.com
Attn: kao F. Hsu

U.K. Fidus Power Ltd.

Tel: 44.1183.420.730
Fax: 44.7575.508.408
markg@fiduspower.com
www.fiduspower.com
Attn: Mark Gibbons

Italy XONOX s.r.l.

Tel: 39.02.2217.5920
Fax: 39.02.2217.5923
andrea.cereda@xonox.it
Attn: Andrea Cereda

Australia Dewar Electronics Pty. Ltd.

Tel: 61.3.9725.3333
Fax: 61.3.9725.6003
sales@dewar.com.au
Attn: Delia Jones

California, USA eUrasia Power LLC

Tel: 1.805.383.1234
Fax: 1.805.435.1689
Sales@EurasiaPower.com
www.eUrasiaPower.com
Attn: Dan Erb

Belgium Telerex nv

Tel: 31(0).76.578.2000
Fax: 31(0).76.571.1477
info@telerex-europe.com
www.telerex-europe.com
Attn: Ruud Rijkers

Switzerland Simpex Electronic AG

Tel: 41.44.931.1010
ronny.zimmermann@simpex.ch
www.simpex.ch
Attn: Ronny Zimmermann

Singapore Seamax Engineering PTE LTD

Tel: 65.6547.1828
Fax: 65.6547.1829
sales@seamax.com.sg
Attn: Eddie Lim

Texas, USA Sager Electronics

Tel: 1.866.588.1750
customerservice@sager.com
www.sager.com

Belgium Acal BFi Belgium

Tel: 32(0)2.720.5983
Fax: 32(0)2.725.1014
sales-be@acalbf.be
www.acalbf.be
Attn: Guy Melon

Netherlands Telerex Nederland BV

Tel: 31(0).76.578.2000
Fax: 31(0).76.571.1477
info@telerex-europe.com
Attn: Christian De Greef

Japan Comtecs Co., Ltd.

Tel: 81.3.5759.5111
Fax: 81.3.5759.5115
mako@comtecs.co.jp
www.comtecs.co.jp
Attn: M. Miyaishi

Wisconsin, USA Tri-Mag, LLC

Tel: 1.800.657.0853
1.414.649.4200
Fax: 1.414.649.4279
sales@tri-mag.com
www.tri-mag.com
Attn: Sales Dept.

Denmark Power Technic ApS

Tel: 45.70.208.210
hf@powertechnik.dk
www.powertechnik.dk
Attn: Henrik Forsberg

Netherlands Acal BFi Netherlands BV

Tel: 31.40.2507.400
Fax: 31.40.2507.409
sales-nl@acalbf.nl
www.acalbf.nl
Attn: Pieter-Jan Rovers

Israel Horizon Electronics Ltd.

Tel: 972.3.923.0091
Fax: 972.3.924.7379
dana.k@horizon-pss.com
www.horizon.co.il
Attn: Dana Kama

New Jersey, USA LEDDCO

Tel: 1.732.671.4050
Fax: 1.732.671.1972
johnny.shih@leddco.com
www.leddco.com
Attn: Johnny Shih

Norway ACTE AS

Member if Kagercrabtz Group AB
Tel: 47.63.89.89.00
Fax: 47.63.87.90.00
info@acte.no
www.acte.no

Poland Gamma Sp. ZO.O.

Member if Kagercrabtz Group AB
Tel: 48.32.272.8125
info@gamma.pl
Attn: Michal Stelmach

Korea Do & Be International Corp.

Tel: 82.31.477.6807~8
Fax: 82.31.477.6809
dglee@donbe.biz
Attn: Donggun Lee

New York, USA KEPCO, INC. – Power Supplies

Tel: 1.718.461.7000
Fax: 1.718.767.1102
hq@kepcopower.com
www.kepcopower.com
Attn: Sales Department

Germany Elektrosil GmbH

Tel: 49.40.840001.0
Fax: 49.40.840001.65
info@elektrosil.com
www.elektrosil.com

Finland Cool Power Solutions Oy

Tel: 358.400.800.712
tiina@cps.fi
www.cps.fi
Attn: Tiina Suominen

India Oppila Microsystems Pvt. Ltd.

Tel: 918.0420.49826
Fax: 918.0420.49826
info@oppila.in
www.oppila.in
Attn: P. Edin Aravinthan

France SICO

Tel: 33(6).71.57.75.75
sophie.tchen@sicoenergie.com
www.sicoenergie.com
Attn: Sophie Tchen

Germany Guenter Dienstleistungen GmbH

Tel: 49.7082.491 35 0
Fax: 49.7082.49135 22
purchase@guenter-psu.de
www.guenter-psu.de
Attn: Carmelo Avarello

Sweden OEM Electronics AB

Tel: 46.75.242.45.00
Fax: 49.7082.49135 22
emil.jidskog@oemelectronics.se
www.oemelectronics.se
Attn: Emil Jidskog

China Hangzhou Linan Skynet Electronic Co., Ltd.

Tel: 86.571.6113.0908
sales@skynetpower.com.cn
Attn: Jim H. Liang

France CATS S. A. S.

Tel: 33.1.69.07.08.24
Fax: 33.1.69.07.17.23
communication@cats-france.fr
www.cats-france.fr
Attn: Alexandra Gandini

Germany Fortec Power GmbH

Tel: 49.6158.8285-142
Fax: 49.6158.8285-155
volker.graebner@fortec-power.de
www.fortec-power.de
Attn: Volker Graebner

Norway, Sweden Denmark, Finland Acal BFi Nordic AB

Tel: 47.32.16.20.63
Mobil: 47.95.99.09.53
jorgen.koppang@acalbf.no
www.acalbf.com
Attn: Jorgen Koppang

Shanghai, Beijing, Shenzhen, Guangzhou 上海永樂電子公司 Shanghai Winsunpower Electronic Co., Ltd.

Tel: 86.755.8885.0277
Fax: 86.755.8885.0278
sales@winsunpower.com
Attn: Benson Chong

Standard Product Distributors

California, USA
Amtek Electronic Co.

Tel: 1.714.617.5158
Fax: 1.714.617.5087
kao@skynetla.com
Attn: kao F. Hsu

Germany
Elektrosil GmbH

Tel: 49.40.840001.0
Fax: 49.40.840001.65
info@elektrosil.com
www.elektrosil.com

Finland
Cool Power Solutions Oy

Tel: 358.400.800.712
tiina@cps.fi
www.cps.fi
Attn: Tiina Suominen

Korea
Do & Be International Corp.

Tel: 82.31.477.6807~8
Fax: 82.31.477.6809
dglee@donbe.biz
Attn: Donggun Lee

Texas, USA
Sager Electronics

Tel: 1.866.588.1750
customerservice@sager.com
www.sager.com

Germany
Guenter Dienstleistungen GmbH

Tel: 49.7082.491 35 0
Fax: 49.7082.49135 22
purchase@guenter-psu.de
www.guenter-psu.de
Attn: Carmelo Avarello

Brazil
Makcel Engenharia

Tel: 55.19.98913.8889
edward@makcel.com
www.makcel.com
Attn: Edward Maktura

China
Hangzhou Linan Skynet Electronic Co., Ltd.

Tel: 86.571.6113.0908
sales@skynetpower.com.cn
Attn: Jim H. Liang

Wisconsin, USA
Tri-Mag, LLC

Tel: 1.800.657.0853
1.414.649.4200
Fax: 1.414.649.4279
sales@tri-mag.com
www.tri-mag.com
Attn: Sales Dept.

Germany
Fortec Power GmbH

Tel: 49.6158.8285-142
Fax: 49.6158.8285-155
volker.graebner@fortec-power.de
www.fortec-power.de
Attn: Volker Graebner

Australia
Dewar Electronics Pty. Ltd.

Tel: 61.3.9725.3333
Fax: 61.3.9725.6003
sales@dewar.com.au
Attn: Delia Jones

Shanghai, Beijing, Shenzhen, Guangzhou

上海永樂電子公司
Shanghai Winsunpower Electronic Co., Ltd.
Tel: 86.755.8885.0277
Fax: 86.755.8885.0278
sales@winsunpower.com
Attn: Benson Chong

U.K.
Fidus Power Ltd.

Tel: 44.1183.420.730
Fax: 44.7575.508.408
markg@fiduspower.com
www.fiduspower.com
Attn: Mark Gibbons

Switzerland
Simpex Electronic AG

Tel: 41.44.931.1010
ronny.zimmermann@simpex.ch
www.simpex.ch
Attn: Ronny Zimmermann

Japan
Comtecs Co., Ltd.

Tel: 81.3.5759.5111
Fax: 81.3.5759.5115
mako@comtecs.co.jp
www.comtecs.co.jp
Attn: M. Miyaishi

Belgium
Telerex nv

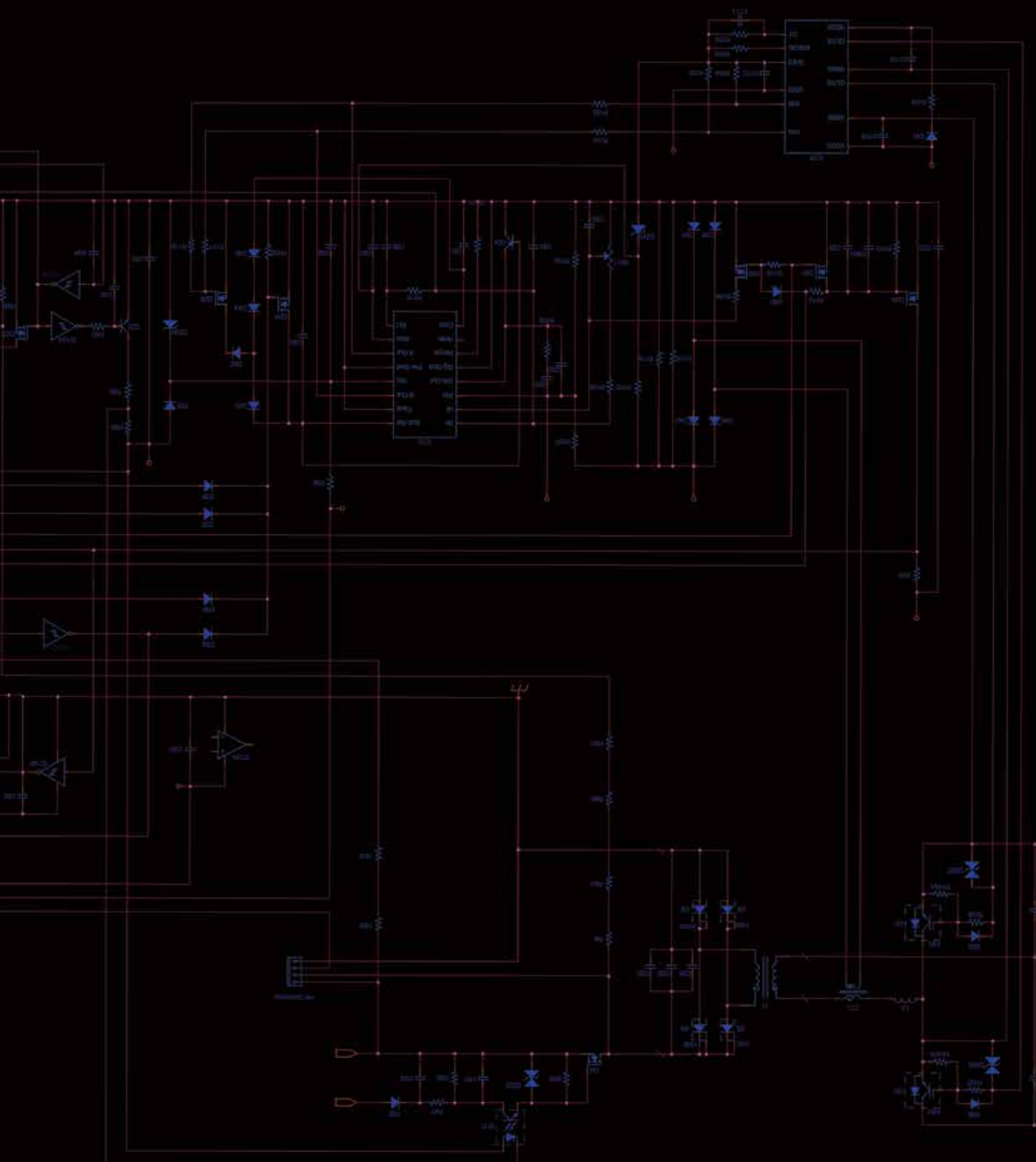
Tel: 31(0).76.578.2000
Fax: 31(0).76.571.1477
info@telerex-europe.com
www.telerex-europe.com
Attn: Ruud Rijkers

Netherlands
Telerex Nederland BV

Tel: 31(0).76.578.2000
Fax: 31(0).76.571.1477
info@telerex-europe.com
Attn: Christian De Greef

Israel
Novo Comp

Cell: 972.503.250.525
novo.rfq@gmail.com
Attn: Smadar Elul



SKYNET ELECTRONIC CO., LTD.

4F No.76 Chen-Kong Rd. Sec.1 Nan-Kan Dist. Taipei TAIWAN

886-2-27882403~7 Fax: 886-2-27882059~60

sales@skynetpower.com.tw www.skynetpower.com.tw