

New comer living up to your expectation!

# Compact PC power supply in Flex ATX standard dimension

Model name: **PCFX-220P-X2S**

**Continuous 170W**  
**Peak 220W**

Input voltage	Efficiency	Power factor
AC100V	74.82%	99.30%
AC240V	79.29%	94.70%

\*Measured value (Conditions: Rated load and normal temperature)



## Compact 1U dimension power supply newer than ever

Here for you by implementing small new components with optimized layout!



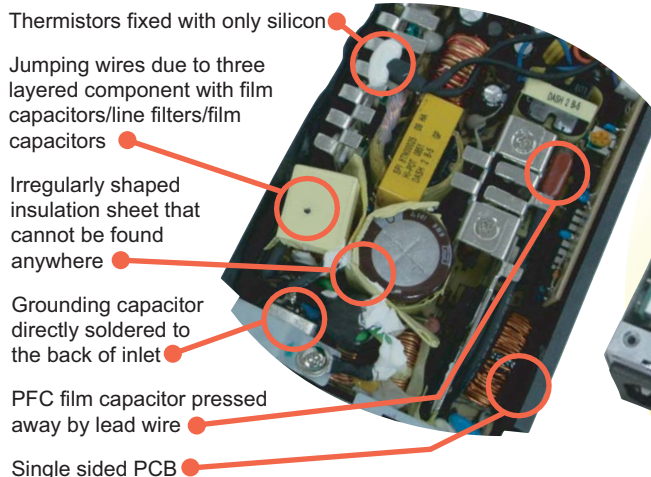
### Small size 81.5(W) x 41(H) x 150(D)

- Designed as 1U power supply of DVR to be built in 1U dimension unit as its height is 41 mm!
- Meeting Flex ATX dimension [81.5 (W) x 40.5 (H) x 150 (D)] in ATX standard
- Depth 150mm: as shorter as 70mm compared with our existing 1U power supply PC12U-200P-X2SH by implementing small new components with optimized layout

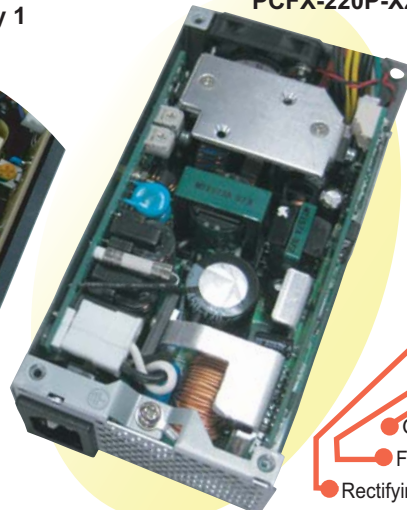
### High reliability still stays there even in small dimension!

Much higher reliability is obvious when compared with offshore products. Choose Nipron's power supply! and feel relaxed during its lifetime rather than you feel anxious about offshore products whose component layout may give you any trouble in use.

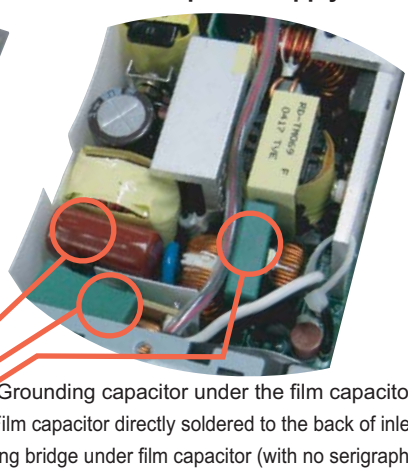
Other company's power supply 1



Nipron PCFX-220P-X2S

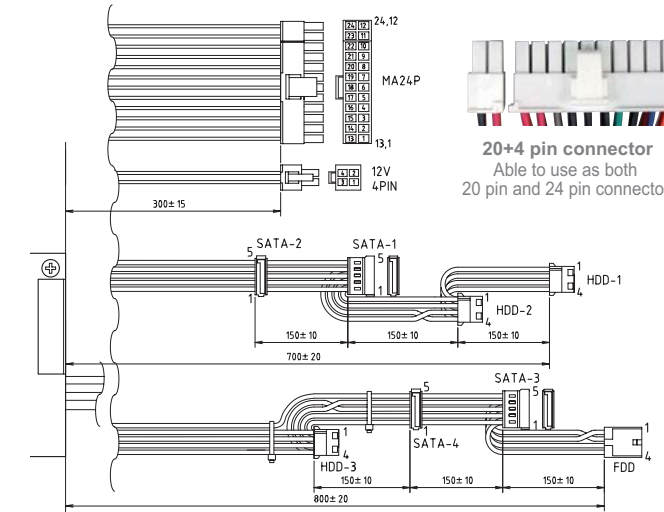


Other company's power supply 2



## Output harness specification to meet latest demand

### Harness diagram



Output harness is adopted following high demand after check to meet customer's specification.

Main connector	20+4 pin connector
S-ATA connector	4
Peripheral connector	3
12V connector (4 pin)	1
FDD connector	1

### Other features

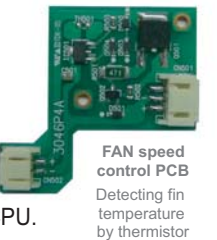
- With slit for fixing**  
Can be fixed to chassis as slit for fixing with penetration depth of 7mm on the side
- Life expectancy 8.5 years**  
8.5 years of lifetime expectancy at input/output rating and ambient temperature of 40°C (approx 10.3 yrs for electrolytic capacitors, approx 8.5 yrs for fans)

### PFC circuit equipped

High power factor with PFC circuit (Power Factor Correction) equipped (At normal temperature and rated load, 99% typ at 100V and 95% typ at 240V)

### Thermal sensing speed control FAN equipped

Thermal fan speed control equipped. The fan speed is low when the temperature inside the power supply is low resulting in silence. The speed goes high when the temperature inside the power supply is high so that high temperature air inside PC is exhausted more resulting in low temperature rise of hot components such as CPU.



### Worldwide input

Input voltage selection switch is unnecessary unlike switch system as worldwide input system is adopted so that 90 to 264V input voltage is acceptable without switch operation.

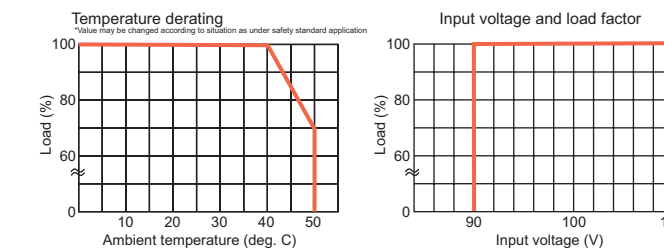
### Safety standard acquisition scheduled

Safety standard: UL (IEC)60950-1·c-UL·CE marking acquisition in schedule

## Input/output specification

AC input	90-264V (Worldwide input)				
Output voltage	+3.3V	+5V	+12V	-12V	+5VSB
Max current/voltage (continuous)	10A	10A	10A	0.3A	2A
	Total 75W max				
Peak current/voltage (within 5S)	12A	12A	12A	0.3A	2A
	Total 85W max				
Min current	0A	0A	0.5A	0A	0A

Total 170W max  
Total 220W max



New

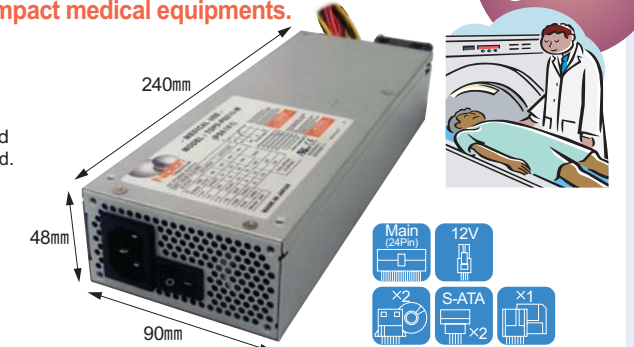
## New comer! Slim body ATX power supply with medical standard

Existing ATX power supply (PS/2 size) occupies wider area causing hard assembly. However this model gives you ultimate solution for PCs built in compact medical equipments.

### Model name: mPCSL-210-X2S

- Medical standard IEC/UL (c-UL) 60601-1 compliant (60950-1 also compliant)
- Slim body 48mm thick and 90mm wide
- Low leakage current 0.2mA (at AC 100V input), complied with medical standard
- Silent. Thermal sensing FAN detects internal temperature and controls operation speed.
- Life expectancy 7 years at ambient temperature 40 deg C and max output (Electrolytic capacitor 13 years, FAN 7 years)
- Conducted emission voltage class B (VCCI/FCC/EN55022)

AC input	85 - 264V (Worldwide input)				
Output voltage	+3.3V	+5V	+12V	-12V	+5VSB
Max current/voltage (continuous)	10A	10A	12A	0.3A	1.5A
	Total 83W max				
	Total 199.7W max				
	Total 210.8W max				
Min current	0A	0A	0.8A	0A	0A



## Slim body ATX Power Supply

**Continuous 210W**

Easy! Just follow three steps for product delivery. Nipron Web Sales <http://www.nipron.co.jp/>

Competitive price because of manufacture. Nipron Web Sales <http://www.nipron.co.jp/>