

CPS INTERNATIONAL CO., LIMITED

Model: MP-4230-S-1 Maxpower

1.0 INPUT

1.1 VOLTAGE 、 FREQUENCY

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PARAMETER	MINIMUM	NOMINAL	MAXIMUM	UNITS
Vin(115VAC)	115			VACrms
Vin(230VAC)		230	264	VACrms
Vin Frequency	60	50	50	Hz

1.2 CURRENT

Max.AC Input 8 A (AC 115V/230V 60HZ/50HZ) 。

1.3 INRUSH CURRENT

Max. 70 A (AC 264V, Cold start at ambient temp.) 。

1.4 POWER EFFICIENCY

1.4.1 Min. 72.3 % (Input AC230V /50Hz, Full load.) 。

1.4.2 Min. 73.4 % (Input AC230V /50Hz, 50% load.) 。

1.4.3 Min. 70.5 % (Input AC230V 50Hz, 20% load.) 。

1.5 Catastrophic Failure Protection (According INTEL design requested.)

2.0 OUTPUT

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VOLTAGE	+12V	+5V	+24V			
MAX Load	21A	12A	12A			
FULL Load	11A	10A	8A			
Min.Load	0.6A	0.2A	0.2A			
Peak Load	21A	12A	12A			
Regulation	±5%	±5%	±5%			
Ripple max.	120mV	80mV	120mV			
Noise max.	120mV	80mV	120mV			

NOTE :

① Continuous work, DC Output can't exceed 300 W(Full load).

+12V plus +5V Output can't exceed 176 W。

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3.0 PROTECTION :

Due to Over consumption used cause power shut down, need 10 seconds recovered of remoted control or 20 seconds turn-off switch.

3.1 OVER POWER PROTECTION

3.1.1 Initial: Input AC 115 V, Full olad.

3.1.2 Increase +12V、+5V、+24V current, approach to 360 W~540 W the power shut-down automatically.

Increase rate: +5V/0.5A/mS、+12V/0.2A/mS、+3.3V/0.3A./mS

3.2 OVER VOLTAGE PROTECTION

3.2.1 Initial: Input 115VAC, 20% load.

SENSE LEVEL	OVER VOLTAGE
+24V DC	25.2Vmin~27.8V max.
+5V DC	5.74Vmin~7.0V max.
+12V DC	13.4Vmin~16.5V max.

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8.0 EARTH CONTINUITY TEST :

Under DC12V/25A test condition, resistance $\leq 100\text{m}\Omega$.

9.0 LEAKAGE CURRENT EACH LINE TO GND

AC Input 250V 50Hz, leakage current $\leq 3.5\text{mA}$.

10.0 OVER SHOOT TEST

10.1 At any case, DC Output Voltage can't exceed $\pm 10\%$.

11.0 SAFETY REQUIREMENTS

12.0 ENVIRONMENT:

12.1 Enviroment temperature: $+5^{\circ}\text{C} \sim +40^{\circ}\text{C}$

12.2 Enviroment humidity: $20\% \sim 85\%$

12.3 Storage temperature: $-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$

12.4 Storage humidity: $10\% \sim 95\%$

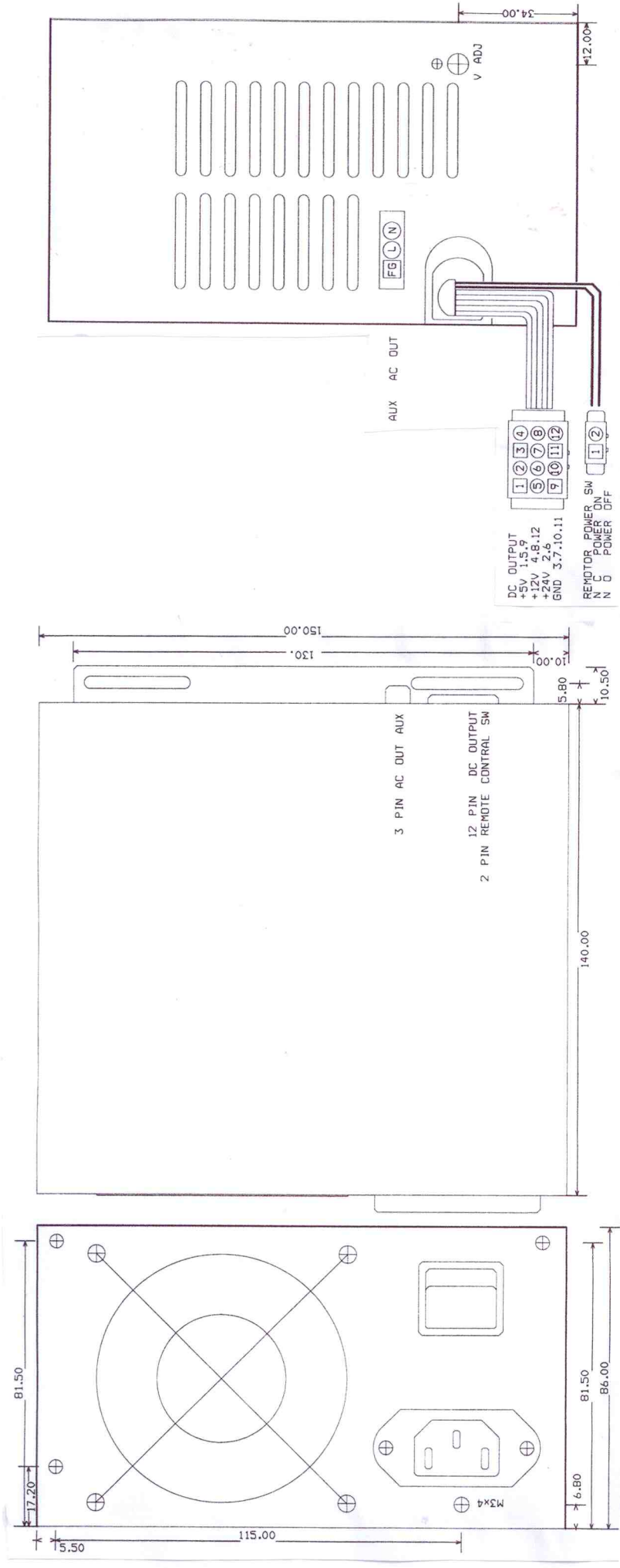
12.5 Normally work at 0~10000 feet high. .

13.0 RELIABILITY:

13.1 At ambient 25°C , 220VAC input, 100% load, MTBF $> 20\text{K}$ hours.

13.2 At 45°C temperature, 220VAC Input, 80% load, MTBF $> 20\text{K}$ hours.

13.3 Burn-in temperature 40°C , 220VAC input, 100% load, 1 hour. .



MP-4230/160A MECHANICAL