



Power-Con Electronics Corporation  
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# 寶虹電子股份有限公司

Power-Con Electronics Corp.

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NSN :

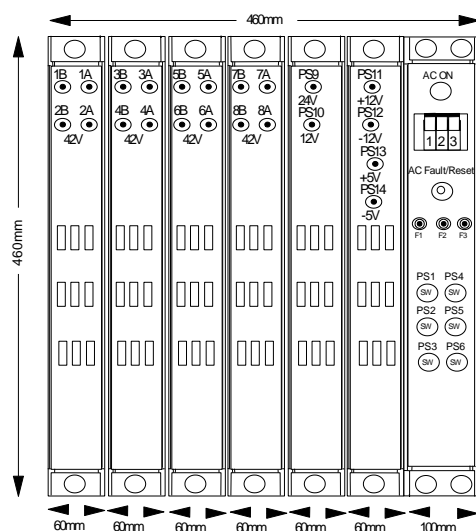
MODEL NO.: PC-XX13

## AC TO DC MULTI-OUTPUT SWITCHING POWER SUPPLIER

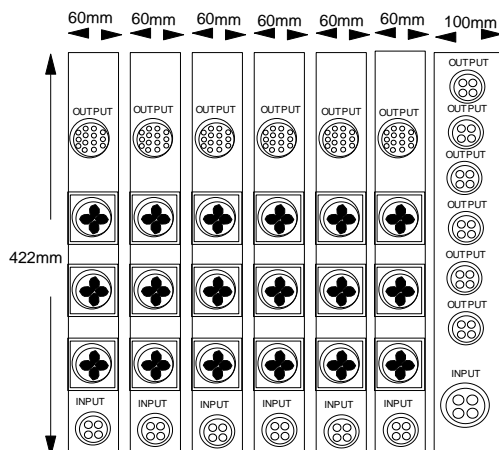
### DRAWING:

1. Input Control Box: 100mm(W) \*460mm(H)\*460mm(D)  $\pm 0.1\%$  \*1 台
2. Power Modules: 60mm(W) \*460mm(H)\*460mm(D)  $\pm 0.1\%$  \*6 台

(a) Front Panel



(b) Rear Panel



註：材質為鋁合金 5052-H32，厚度 t=2.0mm。

## Special Features :

- \* Modulized DC Power Supply (模組化電源供應器).
- \* All DC power supplies should be switching and modulized type.
- \* Each power module should have individual power on switch.
- \* Input Circuit Breaker and Fuses Provided.
- \* LED Display for every output to indicate output normal.
- \* DC Power Module can be disabled by TTL fault report (Low Enable, High Disable) from load with photo coupling.
- \* Cooling Fan provided.
- \* Physical Size :  $W \leq 466\text{mm}$ ,  $H \leq 466\text{mm}$ ,  $D \leq 466\text{mm}$  .
- \* Input/ Output Isolation.
- \* Low Profile.
- \* Low Ripple & Noise.
- \* MIL-STD-461/462 Compliant.
- \* Current Limited , Over Voltage Protection.
- \* Input Transient Surge Protection , Phase Lose Indication.
- \* All PCBs Coating.
- \* MTBF :  $>200,000$  hours.
- \* Industrial round connectors with latch for inputs and outputs.

## MODEL NO.: PC-XX13

### Electrical Specifications:

Input	208VAC (±10%) , 3 PHASE , 4 wire , WYE , 47-440Hz.				
Output Power	No.	O/P Voltage	O/P Current/Inom	Vnom	Module Size
	1*1	+42VDC±1%	4.16A*2( 1A , 1B )	48V	60 x 460 x 460 ( W x H x D ) mm <sup>3</sup>
	2*1	+42VDC±1%	4.16A*2( 2A , 2B )		
	3*1	+42VDC±1%	4.16A*2( 3A , 3B )	48V	60 x 460 x 460 ( W x H x D ) mm <sup>3</sup>
	4*1	+42VDC±1%	4.16A*2( 4A , 4B )		
	5*1	+42VDC±1%	4.16A*2( 5A , 5B )	48V	60 x 460 x 460 ( W x H x D ) mm <sup>3</sup>
	6*1	+42VDC±1%	4.16A*2( 6A , 6B )		
	7*1	+42VDC±1%	4.16A*2( 7A , 7B )	48V	60 x 460 x 460 ( W x H x D ) mm <sup>3</sup>
	8*1	+42VDC±1%	4.16A*2( 8A , 8B )		
	9	+24VDC±1%	12.5A	24V	60 x 460 x 460 ( W x H x D ) mm <sup>3</sup>
	10	+12VDC±1%	12.5A	12V	
	11	+12VDC±1%	12.5A	12V	60 x 460 x 460 ( W x H x D ) mm <sup>3</sup>
	12	-12VDC±1%	6.25A	-12V	
	13	+5VDC±1%	20A	5V	
	14	-5VDC±1%	10A	-5V	
*1 : O/P No.1~8 Voltage adjustable range : 30V to 50V at least.					
Line Regulation	±0.2% max. At Full Load and Low Line Input or High Line Input.				
Load Regulation	±0.2% max. At Nominal Line Input from 10% Load to 100% Load.				
Output Ripple & Noise	<b>5mVp-p max. for each output ( nominal input · full load · 20MHz Band Width ) .</b>				
Output Protection	Short Circuit	20 %~ 130 % of Inom.			
	Current Limit	105 %~ 125 % of Inom, Automatic Restart.			
	Over Voltage	125 %±10 % of Vnom, Recycle Power.			
AC Fault Protection	Over Voltage	With Indication and Reset Switches.			
	Transient Surge				
	Phase Lose				
Remote Sense	0.25Vdc Max				
Inrush Current	Maximum 100A				
EMI	Meet MIL-STD-461C Part 4 CE03 & RE02				
Safety	UL, CSA, VDE, TÜV				
Efficiency	> 75%				
Enable/Disable	TTL level ( photo-coupler isolated ) for each output No.				
Operation Temperature	-20°C ~ +45°C Ambient				
Storage Temperature	- 40°C ~ +85°C				

Temperature Coefficient	0.02 %/°C max.
Isolation	Leakage Current : ≤1mA @Test Voltage=500Vdc; Test Time=2 sec. for I/P to O/P.
Insulation Resistance	≥10MΩ @Test Voltage= 100Vdc test for I/P to O/P; I/P to Chassis; O/P to Chassis.
Cooling	Force Air Cooling by Fans for each power module.
Size	<b>Input Control Box</b> 100mm(W)*460mm(H)*460mm(D) ±0.1% *1 台
	<b>Power Modules</b> 60mm(W)*460mm(H)*460mm(D) ±0.1% *6 台
Mechanical	See Attached Drawing: (1) 19” Standard Rack for each module. (2) Input Control Box: *One input and six output industrial round connectors with latch on rear panel. *One 3Φ input circuit breaker and three input fuses with holder on front panel. (3) Each Power Module: *One input and one output industrial round connectors with latch on rear panel. *Three cooling fans on rear panel. *Green LED display for each output normal operating on front panel.
Case Material	AL5052-H32, t=2mm +/-5%.





