



**Features :**

- . Universal AC input / Full range
- . PFC >0.95 at 230 VAC
- . Thin profile (33mm thick)
- . Short circuit, over voltage, over load protected
- . Free air cooling convection
- . Fix switching frequency at 130KHz
- . Approvals : UL / CUL / TUV / CB / CE
- . 100% full load burn-in test

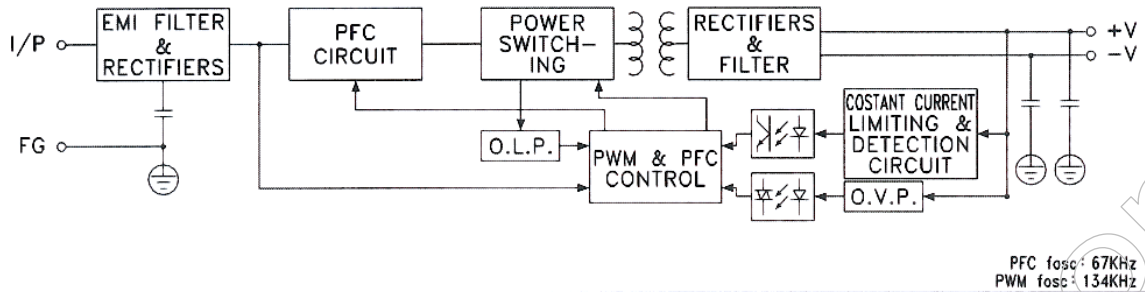
**3 years warranty**

Model	TP-75A			TP-75B			TP-75C		
	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3
DC output voltage	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V
Output voltage tolerance	±3%	±4%	±8%	±3%	±4%	±8%	±3%	±4%	±8%
Output rated current	7A	3A	0.6A	7A	3A	0.4A	6A	2.5A	0.5A
Output current range	1.5~10	0.2~4	0~0.6	1.5~10	0.2~4	0~0.6	1.5~10	0.2~3	0~0.6
Ripple & noise	100mV	120mV	100mV	100mV	120mV	120mV	100mV	120mV	120mV
Line regulation	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Load regulation	±3%	±4%	±8%	±3%	±4%	±8%	±3%	±4%	±8%
DC output power	74W			75.8W			75W		
Efficiency	70%								
DC voltage adjustment	CH1,2 : -5%~+10%								
Input voltage range	90~264VAC / ; 47~63Hz ; 120~370 VDC								
AC current	1.5A / 115 V ; 0.8A / 230 V								
Inrush current	Cold start 40A/230V								
Leakage current	<2mA/240VAC								
Over-load protection	105~150% Pulse mode Reset : auto-recovery								
Over-voltage protection	115~135% on +5V Type : shutdown Reset : re-power on								
Temperature coefficient	±0.03% /°C (0°~50°C)								
Set-up, Rise, Hold-up time	800ms, 60ms, 20ms								
Power factor	PF>0.93/230VAC ; PF>0.96/115VAC								
Vibration	10~500Hz, 2G 10min./1cycle, period for 60min. Each axes								
Withstand voltage	I/P-O/P: 3KVACVAC I/P-FG: 1.5 KVAC ; O/P-FG : 0.5 KVAC								
Isolation resistance	I/P-O/P, I/P-FG, O/P-FG : 500 VDC /100MΩ								
Working temp. & humidity	-10°C~+60°C (refer to output derating curve) 20~90% R.H.								
Storage temp. & humidity	-20°C~+85°C, 10%~95% R.H. ( non-condensing )								
Dimensions	179 x 99 x 33 mm ( Length x Width x Height ) case 920A								
Weight	550 gr								
Safety standards	UL1950, TUV EN60950 approved								
EMC standards	CISPR22(EN55022) Class B, EN61000-4-2,3,4,5,6,8,11 ;EN50204 ;EN61000-3-2,-3								
Notes:	-All parameters are specified at 230VAC input, rated load, 25°C & 70% R.H. ambient. - Tolerance include setup tolerance, line regulation, load regulation. - Ripple & Noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1yF & 47uF capacitor. - Line regulation is measured from low line to high line at rated load. - Output provide up to maximum current, but total power cannot exceed max. output power. - Mounting holes M1&M2 should be grounded for EMI purposes								

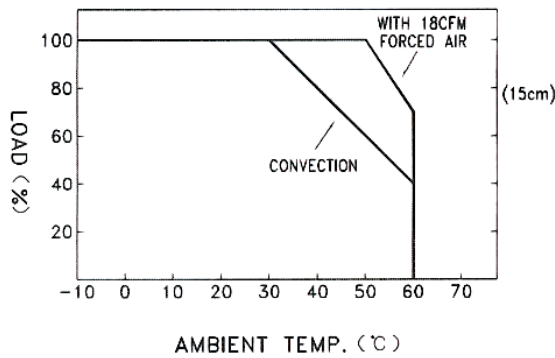


Model	TP-75D			TP-7503		
	CH1	CH2	CH3	CH1	CH2	CH3
DC output voltage	5V	24V	12V	5V	3.3V	12V
Output voltage tolerance	+3%	+4%	+8%	+3%	+4%	+8%
Output rated current	7A	1.5A	0.4A	9A	8A	0.3A
Output current range	1.5~10A	0.2~2.5A	0~0.6A	1.5~10A	0.2~8A	0~0.6A
Ripple & noise	100mV	120mV	120mV	100mV	50mV	120mV
Line regulation	±1%	±1%	±1%	±1%	±1%	±1%
Load regulation	±3%	±4%	±8%	±3%	±4%	±8%
DC output power						
Efficiency	70%					
DC voltage adjustment	CH1 : -5%~+10%					
Input voltage range	90~264VAC / ; 47~63Hz ; 120~370 VDC					
AC current	1.5A / 115 V ; 0.8A / 230 V					
Inrush current	Cold start 40A/230V					
Leakage current	<2mA/240VAC					
Over-load protection	105~150% Pulse mode Reset : auto-recovery					
Over-voltage protection	115~135% on +5V Type : shutdown Reset : re-power on					
Temperature coefficient	±0.03% /°C (0°~50°C)					
Set-up, Rise, Hold-up time	800ms, 60ms, 20ms					
Power factor	PF>0.93/230VAC ; PF>0.96/115VAC					
Vibration	10~500Hz, 2G 10min./1cycle, period for 60min. Each axes					
Withstand voltage	I/P-O/P: 3KVACVAC I/P-FG: 1.5 KVAC ; O/P-FG : 0.5 KVAC					
Isolation resistance	I/P-O/P, I/P-FG, O/P-FG : 500 VDC /100MΩ					
Working temp. & humidity	-10°C~+60°C (refer to output derating curve) 20~90% R.H.					
Storage temp. & humidity	-20°C~+85°C, 10%~95% R.H. ( non-condensing )					
Dimensions	179 x 99 x 33 mm ( Length x Width x Height ) case 920A					
Weight	550 gr					
Safety standards	UL1950, TUV EN60950					
EMC standards	CISPR22(EN55022) Class B, EN61000-4-2,3,4,5,6,8,11 ;ENV50204 ;EN61000-3-2,-3					
Notes:	<ul style="list-style-type: none"> <li>-All parameters are specified at 230VAC input, rated load, 25°C &amp; 70% R.H. ambient.</li> <li>- Tolerance include setup tolerance, line regulation, load regulation.</li> <li>- Ripple &amp; Noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1yF &amp; 47uF capacitor.</li> <li>- Line regulation is measured from low line to high line at rated load.</li> <li>- Output provide up to maximum current, but total power cannot exceed max. output power.</li> <li>- Mounting holes M1&amp;M2 should be grounded for EMI purposes</li> </ul>					

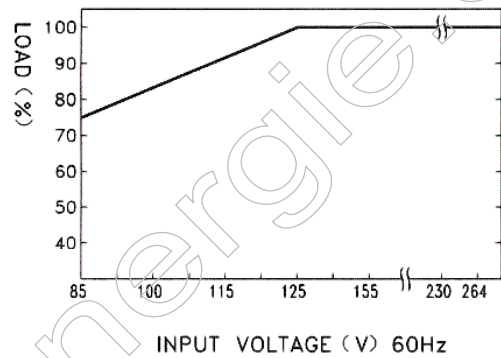
**BLOCK DIAGRAM**



**OUTPUT DERATING VS T<sub>a</sub>**



**OUTPUT DERATING VS INPUT VOLTAGE**



**DIMENSION (mm)**

- ☒ CASE 920A
- ☒ TERMINAL PIN NO. ASSIGNMENT
- ☒ PIN 1 : DC OUTPUT +V2
- ☒ PIN 2,3 : COM
- ☒ PIN 4 : DC OUTPUT +V1
- ☒ PIN 5 : DC OUTPUT +V3
- ☒ PIN 6 : FG  $\perp$
- ☒ PIN 7 : AC/N
- ☒ PIN 8 : AC/L

