



ETA-USA

HIGH QUALITY SWITCHING POWER SUPPLIES

AC/DC ATX SWITCHING POWER SUPPLY WITH ACTIVE PFC FOR INDUSTRIAL 1U SYSTEM
500 WATTS

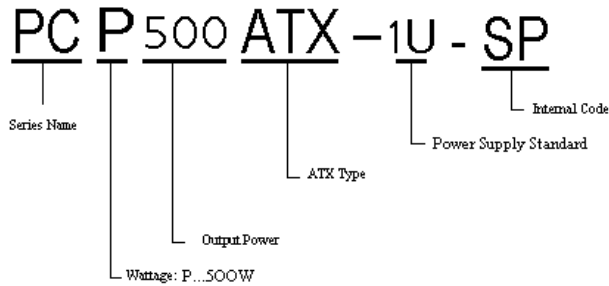
PCP500ATX-1U-SP



106 x 290 x 40mm
4.17 x 11.81 x 1.57inch



General Description



Application

For Industrial 1U System

Input

Input Voltage: 90V ~ 264V (universal full range, single phase)

Input Current: <8A @ 100V AC input, (full load condition)

Inrush Current: <40A@115V / <80A@230V AC input, (full load condition. Cold start at 25°C ambient)

Phase: single phase

Frequency: 47 ----- 63 Hz

Leakage Current: 1.5A max. (AT 264V AC INPUT)

PFC: >0.95 (MEET IEC 1000-3-2 CLASS D STANDARD)

Features

1. Universal full range AC input with active PFC, P.F.> 0.95
2. +3.3V, +5V main output remote sensing
3. Remote control power ON/OFF
4. Over load, over voltage & short circuit protection
5. Built in EMI filter, low ripple noise
6. Built-in long life ball bearing fan
7. LED indicator for power condition
8. 100% 50? burn-in test
9. Meet Intel ATX 2.01 / ATX2.03 / ATX 12V / EPS
10. UL, cUL, TUV, ,CB, CE certified

Output

Characteristics

Unit

Models

Characteristics	Unit	v1	v2	v3	v4	v5	v6
Output Voltage	Vdc	+3.3	+5	+12	-5	-12	+5Vsb
Min. Load	A	0	3	1	0	0	0
Max. Load	A	28	36	36	0.5	1	2
Regulation	%	±5				+8/-5	±5
Ripple & Noise (Max.)	mV	50	50	100	50	120	50
Rise up time	mS	<20mS					
Hold Up Time	mS	>20mS@230V					
TTL Signal		Power Good Signal, PS-ON Signal					

Efficiency

% 70% TYPICAL

Max Power

W +3.3V & +5V max 180W, total output max 500W



ETA USA

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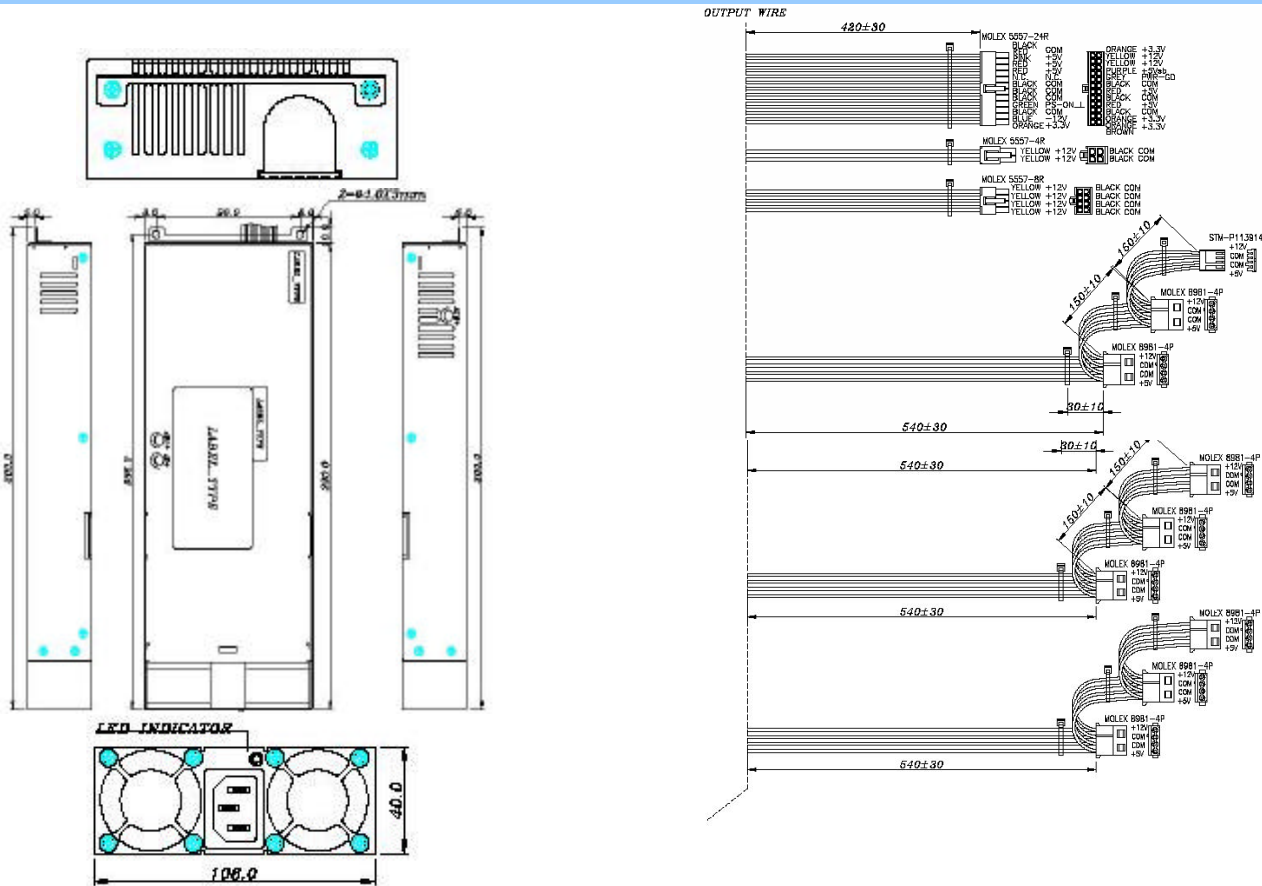


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HIGH QUALITY SWITCHING POWER SUPPLIES

Environmental Specification	
Operating Temperature	0 to 70°C
derating	45°C ~70°C: 2.5%/°C
Operating Humidity	20-85%/RH (non-condensing)
Storage Temperature	-10 to +75°C
Storage Humidity	10 to 95%/RH (non-condensing)
Cooling	Two 8.6 CFM (min.) DC ball bearing Fan
Environmental Agencies	
SAFETY	UL 60950, CSA C22.2 No.60950, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 Certified
EMC	EMI: FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B. EMS: EN 50082-1 (1997)
MTBF [H]	91K hours .
Function/Protection	
Over Load Protection	Over 105% ~ 150% of rating
Over Voltage Protection	+3.3V: +3.8V~+4.6V, +5V: +5.8V~+7.0V, +12V: +13.8V~+17.5V
Short Circuit Protection	Shutdown
Mechanical	
Dimension [mm]	106 x 290 x 40mm [4.17 x 11.81 x 1.57inch]

DIMENSION DIAGRAM



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