

# ACE-4520C

200 W 24V DC input 1U ATX Power Supply

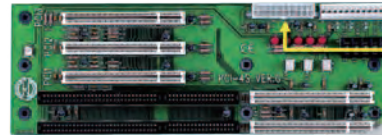


**High power capacity 200W in 1U size!!**  
**Meets ATX revision 2.0 with 20+4-pin ATX power and SATA**

## Features

1. High efficiency
2. Low ripple & noise
3. Output overvoltage protection
4. Short circuit protection on all output
5. 100% burn-in under high ambient temperature (50°C)
6. Vacuum-impregnated transformer
7. MTBF: 100K hours at 25°C
8. 100% Hi-pot tested
9. Line input fuse protection

PICMG1.0 Form Factor Backplane



20+4 pin-ATX power connector



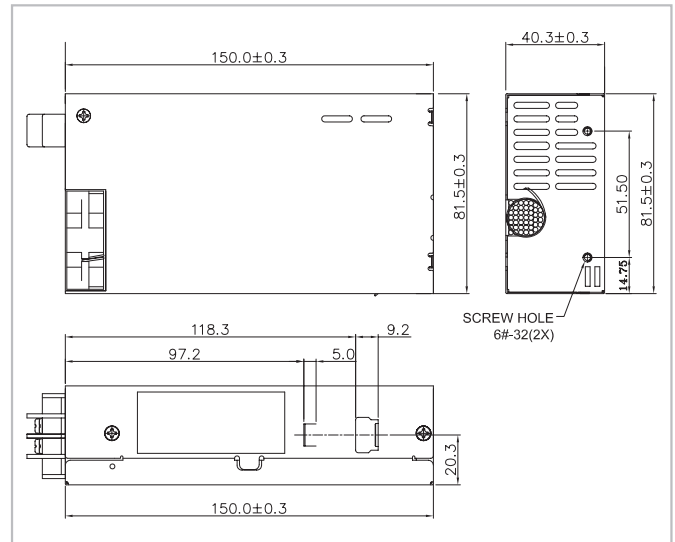
PICMG1.3 Form Factor Backplane PE-10S/6S



## Specifications

Input	Voltage	18 ~ 36 VDC Input		
	Input Current	15 A(RMS) @ -24 VDC		
	Inrush Current	100 A Max for -24 VDC		
Output	Voltage	Min. Load	Max. Load	Ripple & Noise
	+5 V	1 A	12 A	50 mV P-P
	+12 V	0.5 A	15.4 A	120 mV P-P
	-12 V	0 A	0.5 A	120 mV P-P
	+3.3 V	0 A	12 A	50 mV P-P
+5 Vsb	0 A	2 A	50 mV P-P	
+3.3V, +5V, +12V total current not exceed 184W				
Output Protection	Overvoltage Protection	+5 V output 5.7 V ~ 6.5 V +12 V output 13.1 V ~ 14.5 V +3.3 V output 3.7 V ~ 4.1 V		
	Over Circuit Protection	+5 V output 13.2 V ~ 18 V +12 V output 17.6 V ~ 24 V +3.3 V output 13.2 V ~ 18 V		
	Short Circuit Protection	+3.3 V, +5 V, +12 V Shut down and latch off		
General Specifications	Output Rise Time	20 ms Max.		
	Efficiency	78%		
	MTBF	100,000 hours on max load at +25°C		
	Temperature	Operating: 0°C ~ 50°C Storage: -20°C ~ 80°C		
	Relative Humidity	5% ~ 95% RH non-condensing		
Output Connector	20+4-pin ATX, 4-pin 12 V CPU, FDD, SATA, 2 x HDD			

## Dimensions (Unit: mm)



## Ordering Information

Part No.	Description
ACE-4520C-RS	200W 24 V DC input 1U ATX Power Supply