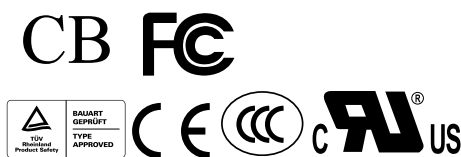


# ACE-4520V/C/T

200 W 12V/24V/48V 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

## Specifications

Input	<b>Voltage</b>	ACT-4520V : 9 ~ 18 VDC Input ACE-4520C : 18 ~ 36 VDC Input ACE-4520T : 36 ~ 72 VDC Input		
	<b>Input Current</b>	ACT-4520V : 30 A(RMS) @ -12 VDC ACE-4520C : 15 A(RMS) @ -24 VDC ACE-4520T : 7.5 A(RMS) @ -48 VDC		
	<b>Inrush Current</b>	ACT-4520V : 100 A Max for -12 VDC ACE-4520C : 100 A Max for -24 VDC ACE-4520T : 100 A Max for -48 VDC		
Output	<b>Voltage</b>	<b>Min.load</b>	<b>Max.load</b>	<b>Ripple &amp; Noise</b>
	+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			
Protection	<b>Overvoltage Protection</b>	+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		
	<b>Over Circuit Protection</b>	+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		
	<b>Short Circuit Protection</b>	+3.3 V, +5 V, +12 V Shut down and latch off		
General Specifications	<b>Output rise Time</b>	20 ms Max.		
	<b>Efficiency</b>	78%		
	<b>MTBF</b>	100,000 hours on max load at +25°C		
	<b>Temperature</b>	Operating : 0°C ~ 50°C Storage : -20°C ~ 80°C		
	<b>Relative Humidity</b>	5% ~ 95% RH non-condensing		
	<b>Output Connector</b>	20+4-pin ATX, 4-pin 12 V CPU, FDD, SATA and 2 x HDD		

PICMG1.0 Form Factor Backplane



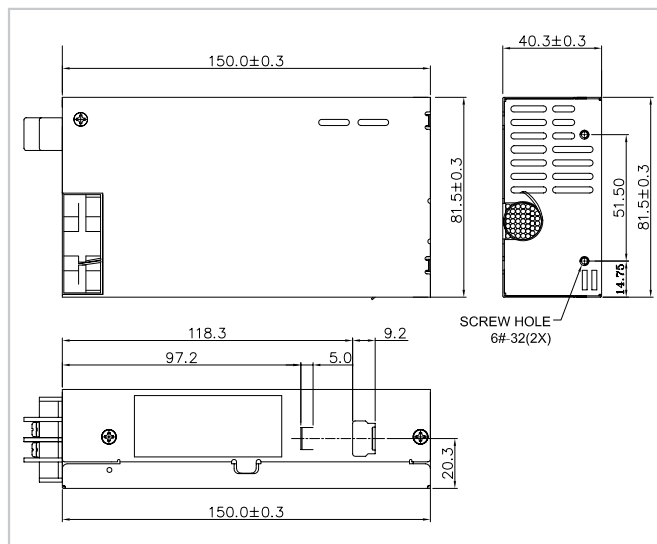
20+4 pin-ATX power connector



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



## Dimensions



## Ordering Information

Part No.	Description
ACE-4520C-RS	200W 24 V DC input 1U ATX Power Supply
ACE-4520T-RS	200W 48 V DC input 1U ATX Power Supply
ACE-4520V-RS	200W 12 V DC input 1U ATX Power Supply