

ACE-4520C

200 W 24V DC input 1U ATX Power Supply



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			
	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		

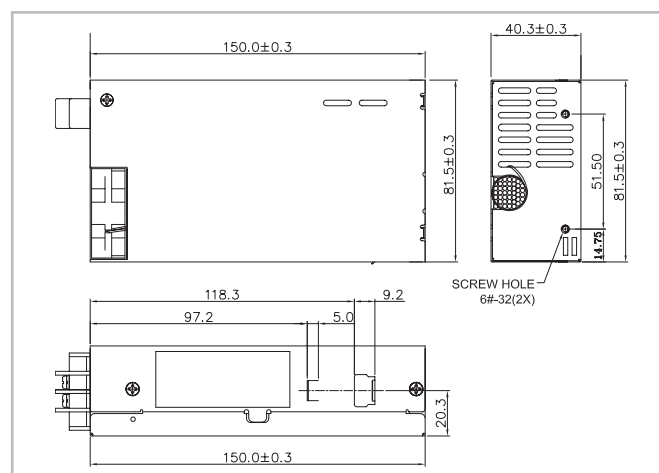
High power capacity 200W in 1U size!!

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

Dimensions (Unit: mm)



Ordering Information

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

ACE-716C

150 W 24V DC Input AT Power Supply

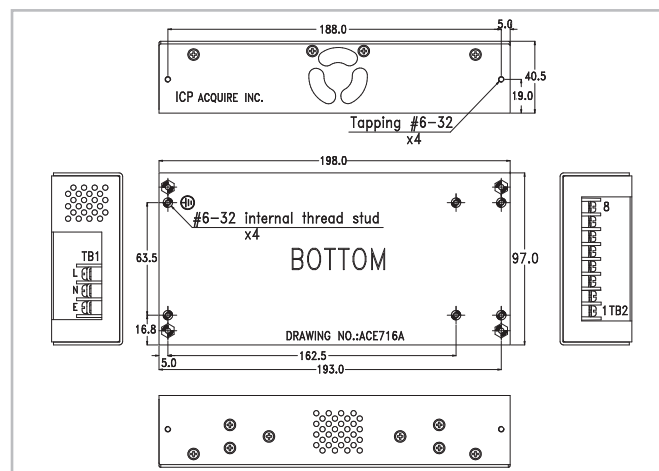


Input Type	19 ~ 30 VDC				
Output Voltage	+5 V	+12 V	-5 V	-12 V	+24 V
	18 A (2 A min.)	4 A	0.5 A	1 A	
Efficiency	70%				
Temperature	Operating: -20°C ~ 70°C (50°C ~ 70°C derating curve) Storage: -20°C ~ 85°C				
MTBF (hrs)	210,000				
Output Connector	Optional cable				
Dimensions (mm)	198 x 97 x 40.5				

Output terminal block connectors

Pin 1, 2	Pin 3, 4	Pin 5	Pin 6	Pin 7	Pin 8
5 V	GND	-5 V	-12 V	GND	+12 V

Dimensions (Unit: mm)



Ordering Information

Part No.	Description
ACE-716C-RS	150 W 24 V DC Input AT Power Supply

1

Industrial
Computing
Solutions

2

Video
Capture
Solutions

3

Industrial
System

4

Industrial
Computer
Chassis

5

Power Supply/
Peripherals