

**300 WATTS****NO MINIMUM ORDER REQUIRED****CE-300 SERIES****OUTPUT SPECIFICATIONS****Features**

- Universal 85-264 VAC Input
- High Efficiency
- Compact 4.9" X 8.5" X 1.95" Size
- Class B Emissions Per EN 55022
- 2 Year Warranty
- EN 60950 ITE Certification
- Harmonic Current per EN 61000-3-2
- EMC to EN 61000-6-2
- One to Five Regulated Outputs



FAN/COVER





Total Output Power	300 W
Output Voltage	Output 1-5: +/-0.5%
Centering	(All outputs at 50% load)
Source Regulation	Outputs 1-5: 0.5%
Load Regulation	Output 1-5: 1% (10-100% Load Change)
Cross Regulation	Output 2-5: 0.5% (Output 1 load varied 50-100%)
Output Voltage Adjust Range	Output 1-3: 95% to 105%
Output Noise	Outputs 1-4: 1%
Turn On Overshoot	None
Transient Response	Outputs 1-5
Volt. Deviation	5%
Recovery Time	2 mS
Load Change	50% To 100%
Output Overvoltage Protection (Optional)	Output 1: 120% to 150%%
Output Overpower Protection	340 W Min. Outputs cycle on/off, auto recovery
Output Overcurrent Protection	110% Min., Outputs 2,3,4 & 5
Hold Up Time	20 mS Min, 300 W Output 120 V Input
Start Up Time	3 Second

**INPUT SPECIFICATIONS**

Source Voltage	85-264 Voltage AC
Frequency Range	47-63 Hz
Source Current	
True RMS	5.8A At 85V Input
Peak Inrush	20A
Peak Repetive	8.2A at 85V Input
Harmonic Distortion	0.05
Efficiency	.68 -.80 (Varies by model)
Power Factor	0.90(300W, 230V)

**ENVIRONMENTAL SPECIFICATIONS**

Ambient Operating Temperature Range	0°C to +50°C Derating: See Power Rating Chart
Ambient Storage Temperature Range	-40°C to +85°C
Temperature Coefficient	Outputs 1-5: 0.02%/°C

SAFETY SPECIFICATIONS		GENERAL SPECIFICATIONS	
General	Protection Class: I	Dielectric Strength	Reinforced Insulation 4242 VDC, Primary to Secondary, 1 Sec.
	Overvoltage Category: II	Basic Insulation	2121 VDC, Primary to Ground, 1 Sec.
	Pollution Degree: 2	Operational Insulation	500 VDC, Secondary to Ground, 1 Sec.
 Underwriters Laboratories File E137708	UL 60950, Third Edition	Power Fail Signal	Logic low with input power failure 2 mS minimum prior to output 1 dropping 1%
 UL Recognition Mark for Canada File E137708	CAN/CSA-C22.2 No. 60950:00	Remote On/Off (Optional)	Contact closure shuts off all outputs
 TUV	EN 60950:2000	Remote Sense (outputs 1 & 2)	230mV compensation of output cable losses
	Low Voltage Directive	Weight	3.3 Lbs.

### MODEL LISTING

Model	Output 1	Output 2	Output 3	Output 4	Output 5
CE-300-5001	+5V/40A	+24V/4A	+12V/6A	-5V/1A	-12V/2A
CE-300-5002	+5V/40A	+12V/8A	-12V/6A	-5V/1A	+24V/2A
CE-300-5003	+5V/40A	+12V/8A	+24V/3A	-15V/1A	+15V/2A
CE-300-5004	+5V/40A	+24V/4A	24V/3A	-12V/1A	+12V/2A
CE-300-5005	+24V/8A	+12V/8A	+5V/6A	-15V/1A	+15V/2A
CE-300-5006	+24V/8A	24V/4A	+5V/6A	-15V/1A	+15V/2A
CE-300-5012	+5V/40A	+28V/3A	+12V/6A	-5V/2A	-12V/2A
CE-300-5013	+5V/40A	3.3V/6A	+24V/4A	-5V/1A	+12V/2A
CE-300-4001	+5V/40A	+12V/8A	-5V/5A		-12V/2A
CE-300-4002	+5V/40A	+24V/4A	+24V/4A		-12V/2A
CE-300-4003	+5V/40A	+24V/4A	+15V/4A		-15V/2A
CE-300-4004	+24V/8A	+12V/8A	+5V/5A		-12V/2A
CE-300-4005	+5V/40A	-5.2V/12A	+5V/4A		-12V/2A
CE-300-4006	+24V/8A	+12V/8A		-12V/1.5A	5V/2A
CE-300-4009	+24V/8A	+12V/8A	+5V/5A		-12V/2A
CE-300-4011	+5V/40A	+3.3V/12A		+12V/2A	-12V/2A
CE-300-3001	+5V/40A	+12V/8A	-12V/6A		
CE-300-3002	+5V/40A	+12V/8V	+24V/3A		
CE-300-3003	+5V/40A	+15V/6A	-15V/4A		
CE-300-3004	+12V/16A	-12V/8A	+5V/6A		
CE-300-3006	+5V/40A	+3.3V/12A		+12V/2A	
CE-300-2001	+5V/40A	+24V/4A			
CE-300-2002	+12V/16A	-12V/8A			
CE-300-2003	+15V/13A	-15V/6A			
CE-300-2004	+24V/8A	-24V/A4			
CE-300-1001	5V/60A				
CE-300-1002	12V/25A				
CE-300-1003	15V/20A				
CE-300-1004	24V/12A				

## Notes

Consult factory for alternate output configuration.

Consult factory for positive, negative or floating output 2.

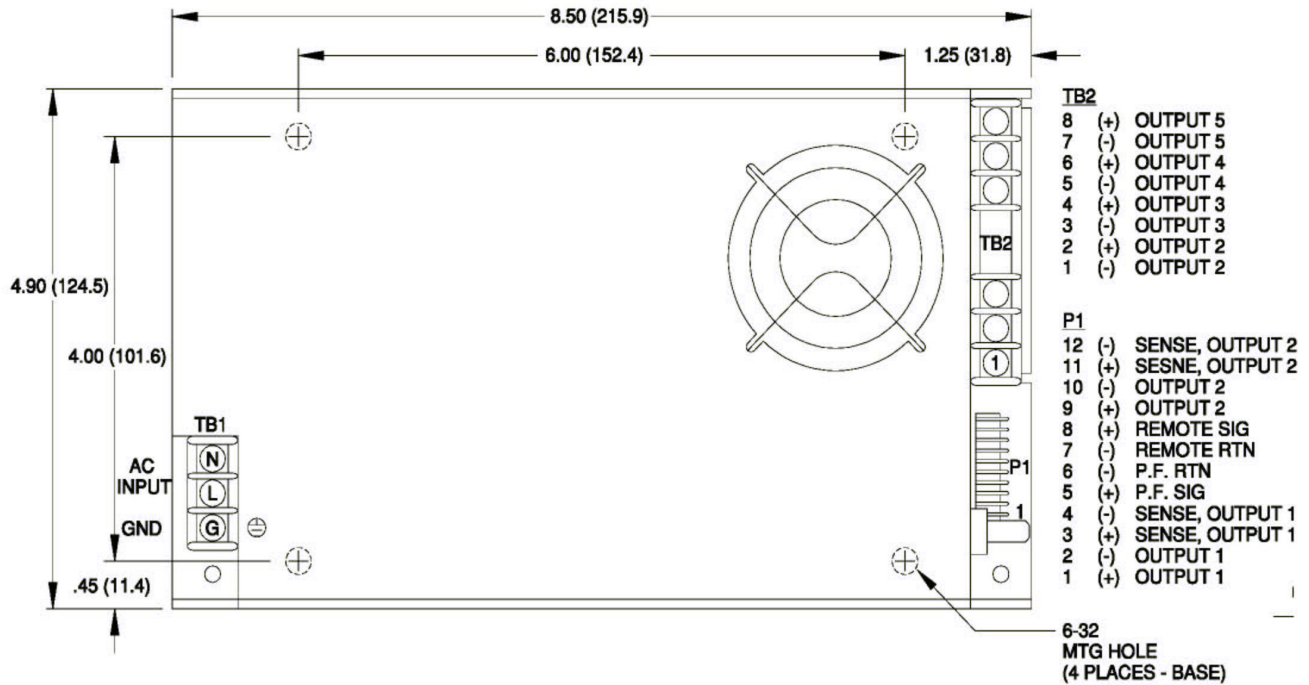
Refer to Application Information for complete output power ratings.

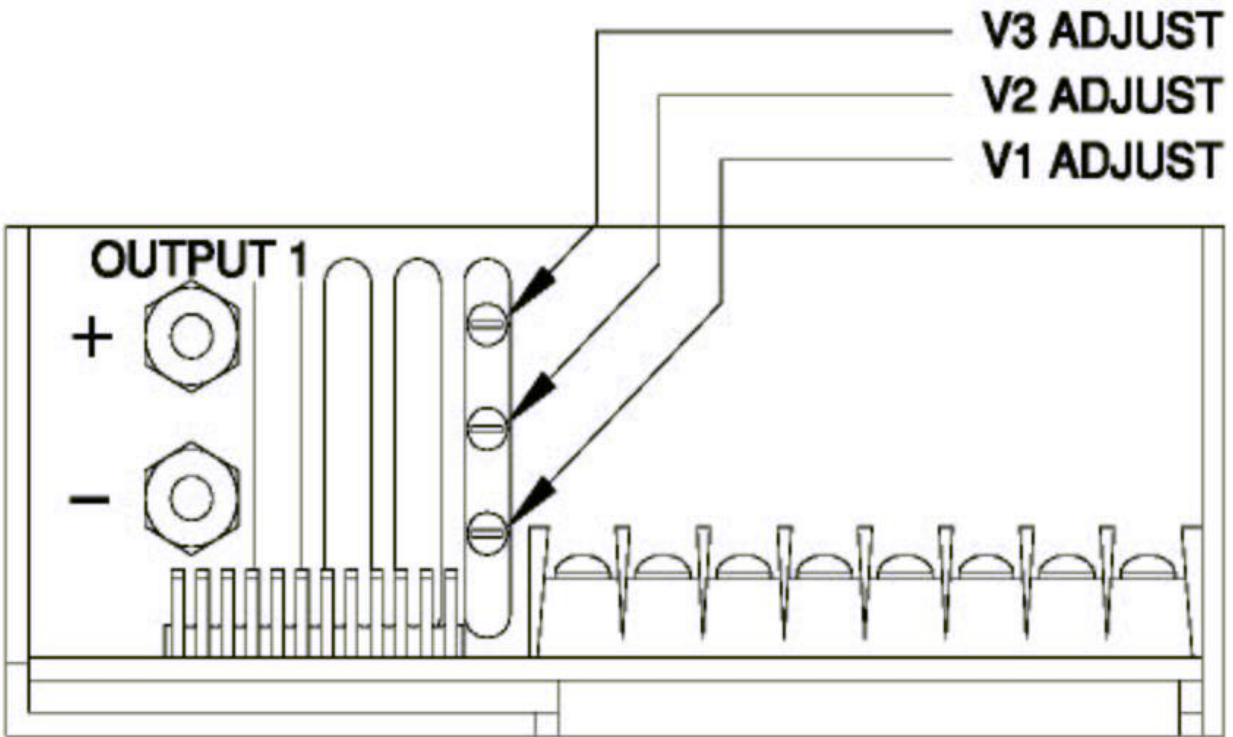
All specifications are maximum at 25°C unless otherwise stated and are subjected to change without notice.

Specify optional power fail, overvoltage protection or remote on/off when ordering.

CE-300-4006: TUV only

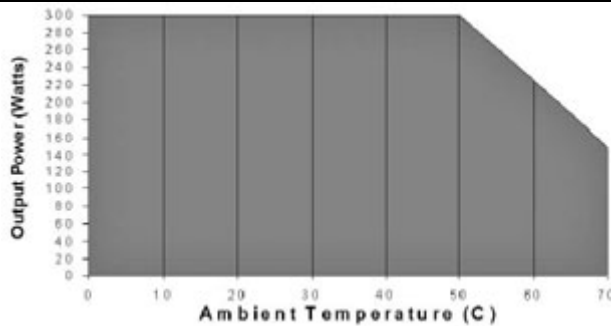
## CE-300 SERIES MECHANICAL SPECIFICATIONS





## ALL DIMENSIONS: INCHES (MM)

### Maximum Output Power vs. Ambient Temperature



### CONNECTOR SPECIFICATIONS

TB1AC Input	Terminal Block with 6-32 screws on 0.325 centers mates with #6.0.25 inch wide spade terminals. (10 in-lb max)
TB2DC Output	Terminal Block with 6-32 screws on 0.325 centers mates with #6.0.25 inch wide spade terminals. (10 in-lb max)
+/- DC Output	10-32 threaded studs mate with tongue terminals.
P1 Option/Sense	100 breakaway header mates with Molex 22-01-2127 or equivalent crimp terminal housing with Molex 6459 or equivalent crimp terminal.

## APPLICATIONS INFORMATION

1. Semiconductor case temperature must not exceed 110 °C.
2. Each output can deliver its rated current but total output power must not exceed 65 watts.
3. Semiconductor case temperature must not exceed 110 °C
4. Sufficient area must be provided around convection cooled power supplies to allow natural movement of air develop.
5. This product is intended for use as a professionally installed component within information technology and medical equipment.
6. A minimum load of 10% is required on output one to insure proper regulation of remaining outputs.
7. Peak to peak output ripple and noise is measured directly at the output terminals of the power supply, without the use of the probe ground lead or retractable tip, 20 MHz bandwidth.
8. This product was type tested and safety certificated using the the dielectric strength test voltages listed in Table V of UL 60950. In consideration of clause 5.2.2, care must be taken to insure the voltage applied to a reinforced insulation does not over stress basic insulation. Secondary to ground capacitors may need to be removed prior to performing a dielectric strength type test on the end product. It is highly recommended that the DC test voltages be used when performing a production-line dielectric strength test of the assembled end product. Please consult factory for further information.
9. This power supply has been safety approved and final tested using a DC dielectric strength test. Please consult factory before performing AC dielectric strength test.
10. Maximum screw penetration into mounting holes is .250 inches