

CINT1200

200W Single Output Series

ITE Power Supply



3 Year Warranty

- 3" x 5" x 1.3" Package
- Up to 200 W of AC-DC Power
- 180Watts Convection Cooled
- 200Watts with 100LFM Air Flow
- Universal Input 90-264 Vac
- Meets Class B EMI, Conducted Consult factory for EN55024 Version
- Fits 1U Applications
- Approved to EN/CSA/UL/IEC60950-1, 2nd Edition
- Efficiency up to 90%
- CE Compliant (LVD, RoHS)
- Optional Chassis/Cover



CONDOR™



Specifications

All Specifications are typical at nominal input, full load at 25°C unless otherwise stated.

AC Input	100-240Vac +/- 10%, 47-63 Hz single phase 120-370 Vdc	Turn On Time	Less than 3 sec. @115Vac & Full Load
Input Current	115Vac: 1.8A, 230Vac: 0.9A	Hold-up Time	>16 mSec at 200W, 120Vac/60 Hz
Inrush Current	264Vac, cold start: will not exceed 55A	Overload Protection	120 to 150% of rating, cycling type
Input Fuses	F1, F2: 3.15A, 250VAC fuses provided on all models	Short Circuit Protection	No damage to supply, auto recovery
Earth Leakage Current	<500µA@264V, 60Hz, NC; <1mA SFC	Overvoltage Protection	OVP latch at 110 to 130% of output voltage
Efficiency	88% typical for 12Vdc and 115Vac	Isolation	Input-Ground: 1800Vac, Input-Output: 4000Vac Output-Ground: 1500 Vac
Output Power	180W convection cooled 200W with 100 LFM	Operating Temperature	Start up at -40C to full Load -10 to +70°C Derate output power linearly to 50% between 50 and 70°C
Transient Response	500µs typ. for return to within 0.5% of nominal, 50% load step. $\Delta i/\Delta t < 0.2A/\mu S$. Max Volt Deviation = 3%	Over Temperature Protection	Sensing transformer temperature, 165°C at full load, latching type, requires power cycling
Ripple and Noise	1% pk-pk, measured directly across output terminals, load terminated with 0.1µF ceramic and 10µF low ESR capacitors	Storage Temperature	-40 to +85°C
Output Voltage	See chart	Operating Altitude	-500 to 10,000 ft
Minimum Load	Not required	Non-operating Altitude	-500 to 40,000 ft
Total Regulation	+/- 3% combined line, load, and initial setting	Relative Humidity	5% to 95%, non-condensing
Vibration	Operating: 0.003g ² /Hz, 1.5g _{rms} overall, 3 axes, 10 min/axis Non-Operating: 0.026 g ² /Hz, 5.0g _{rms} overall, 3 axes, 1 hr/axis	Shock	Operating: Half-sine, 20 g _{pk} , 10 ms, 3 axes, 6 shocks total Non-Operating: Half-sine, 40 g _{pk} , 10 ms, 3 axes, 6 shocks total
Switching Frequency	PFC: Fixed at 65kHz, Main converter: 50–120kHz, typical 70kHz at full load	Air Flow Direction	From AC input end towards to DC output end
Dimensions	W: 3.0" x L: 5.0" x H: 1.3", Weight: 325g	ITE Safety Standards	EN/CSA/UL/IEC 60950-1, 2nd Edition

Model Number Key

CINT 1 200 X 12 75 K 01

- 01 = Standard Model, 02 and higher indicates a modified model.
- "K" = Input Connector - 3 pin header; "C" = 2 pin header for Class II input
- "75" = Output Connector - 6 pin header
- Output Voltage: "12" = 12V output, "24" = 24V output, etc.
- Model Configuration: "A" = First Generation, "C" = Optional chassis/cover
- Output Power (Watts) - "200" = 200W
- # of Outputs
- Product Family: "C" = ITE, "I" = Internal, "NT" = New Technology

