100 WATTS

NXT-100 SERIES AC-DC

FEATURES:

- RoHS Compliant
- 2 Year Warranty
- High Efficiency, 85% typical
 High Power Density, 8.9 W / cu in.
- Compact 2.5" x 4.5" x 1.0" size
- EN 60950-1 ITE Certification
- EN 60601-1 Medical Certification
- EMC to EN 61000-6-2 & EN 60601-1-2
- Advanced SMT Design
- Optional Chassis/Cover
- Optional Single Wire Load Sharing
- Optional Remote Inhibit/Enable



OPEN FRAME

CHASSIS/COVER

SAFETYS	PECIFICATIONS	
General	T EGII ICATIONS	Protection Class: I Overvoltage Category: II Pollution Degree: 2
c FL us	Underwriters Laboratories File E137708/E140259	UL 60950-1 2 nd Edition, 2007 UL 60601-1 1 st Edition, 2006 AAMI/ANSI ES 60601-1,2005
IECEE SCHEME		CB Reports/Certificates (including all National and Group Deviations) IEC 60950-1/A1:2009, Second Edition IEC 60601-1:1988 +A1:1991 +A2:1995 IEC 60601-1:2005 Third Edition
c All us	UL Recognition Mark for Canada File E137708/E140259	CAN/CSA-C22.2 No. 60950-1-07, 2 nd Edition CAN/CSA-C22.2 No. 601-1-M90, 2005 CAN/CSA-C22.2 No. 60601-1:2008
SUD	TUV	EN 60950-1/A12:2011 EN 60601-1/A2:1995 EN 60601-1:2006
CE	Low Voltage Directive RoHS Directive (Recast)	(2006/95/EC of December 2006) (2011/65/EU of June 2011)

MODEL LISTING

OPEN FRAME		FRAME	CHASSIS/COVER	
MODEL	300 LFM	CONVECTION COOLED	300 LFM	CONVECTION COOLED
NXT-100-1001	2.5V/20.0A	2.5V/14.0A	2.5V/18.0A	2.5V/12.6A
NXT-100-1002	3.3V/20.0A	3.3V/14.0A	3.3V/18.0A	3.3V/12.6A
NXT-100-1003	5V/20.0A	5V/14.0A	5V/18.0A	5V/12.6A
NXT-100-1004	12V/8.3A	12V/5.8A	12V/7.5A	12V/5.2A
NXT-100-1005	15V/6.7A	15V/4.7A	15V/6.0A	15V/4.2A
NXT-100-1006	24V/4.2A	24V/2.9A	24V/3.8A	24V/2.6A
NXT-100-1007	28V/3.6A	28V/2.5A	28V/3.2A	28V/2.3A
NXT-100-1008	48V/2.1A	48V/1.5A	48V/1.9A	48V/1.4A

Please refer to Output Power Derating chart.

ORDERING INFORMATION

Please specify the following optional features when ordering:

CH - Chassis LSEVB - Load Share Evaluation Board

CO - Cover RE - Remote Inhibit

LS - Single Wire Load Sharing

All specifications are maximum at 25°C, 100W unless otherwise stated, may vary by model and are subject to change without notice.

OUTDUE ODERVEIO	TIONS -			
OUTPUT SPECIFICAT				
Output Power at 50°C	70W	Convection Cooled, Open Frame		
	100W	300 LFM Forced Air, Open Frame		
Power Derating	1.0 Wout / 1 Vin			
Voltage Centering	± 0.5%	(50% load)		
Voltage Adjust Range	95-105%	(0.4000/		
Load Regulation	0.5%	(0-100% load change)		
Source Regulation	0.5%	240.1		
Noise	1.0% or 100mV	Whichever is greater		
Turn on Overshoot	None			
Transient Response		to within 1% of initial set point due		
		ad change, 500µS maximum,		
Overvelte se Pretesties	4% maximum de			
Overvoltage Protection	•	en 110% and 150% of rated output		
Overnover Protection	voltage.	Dout evels en/off outs recovery		
Overpower Protection Hold Up Time	110-130% rated Pout, cycle on/off, auto recovery			
Start Up Time		16 mS min., Full Power, 85-264V Input 3 Seconds, 120V Input		
Start up Time	3 Seconds, 120	v input		
INPUT SPECIFICATION				
Source Voltage	85 – 264 Volts A	.C		
Frequency Range	47 – 63 Hz			
Input Protection	Internal 2.5A Tir	ne Delay tuse		
Peak Inrush Current	50A (cold)			
Efficiency	85% Typical, Fu	Il Power varies by model		
Power Factor		r, 230V), 0.98 (Full Power, 120V)		
ENVIRONMENTAL SP		ONS		
Ambient Operating	0° C to + 70° C			
Temperature Range	Derating: See P	ower Rating Chart		
Ambient Storage Temp. Range	- 40° C to + 85°	C		
Operating Relative Humidity Range	e 20-90% non-cor	densing		
Altitude	10,000 ft. ASL	Operating		
	40,000 ft. ASL	Non-operating		
Temperature Coefficient	0.02%/°C			
Vibration	2.5g, 10Hz2KI	Hz per MIL-STD-810F Method 514.5		
Shock	20g, peak per M	IL-STD-810F Method 514.5		
GENERAL SPECIFIC	ATIONS			
Means of Protection				
Primary to Secondary	2MOPP (Means	of Patient Protection)		
Primary to Ground		of Patient Protection)		
Secondary to Ground	Operational Insu	lation(Consult factory for 1MOOP or 1MOPP)		
Dielectric Strength(14)				
Reinforced Insulation	5656 VDC, Prim	ary to Secondary, 1 Sec.		
	2545 VDC, Prim	ary to Ground, 1 Sec.		
Reinforced Insulation Basic Insulation Operational Insulation	2545 VDC, Prim			
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current	2545 VDC, Prim	ary to Ground, 1 Sec.		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage	2545 VDC, Prim	ary to Ground, 1 Sec.		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current	2545 VDC, Prim 707 VDC, Secon <300uA NC, <10 <100uA NC, <50	ary to Ground, 1 Sec. ndary to Ground, 1 Sec. 000uA SFC 00uA SFC		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage	2545 VDC, Prim 707 VDC, Secon <300uA NC, <10 <100uA NC, <50 Logic low with in	ary to Ground, 1 Sec. ndary to Ground, 1 Sec. 000uA SFC 00uA SFC put power failure 10 ms minimum		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current	2545 VDC, Prim 707 VDC, Secon <300uA NC, <10 <100uA NC, <50 Logic low with ir prior to output 1	ary to Ground, 1 Sec. dary to Ground, 1 Sec. 000uA SFC 00uA SFC put power failure 10 ms minimum dropping 1%.		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional)	2545 VDC, Prim 707 VDC, Secon <300uA NC, <10 <100uA NC, <50 Logic low with ir prior to output 1 Connection to ex	ary to Ground, 1 Sec. ndary to Ground, 1 Sec. 000uA SFC 00uA SFC put power failure 10 ms minimum dropping 1%. dernal 5V bias inhibits output.		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal	2545 VDC, Prim 707 VDC, Secon <300uA NC, <10 <100uA NC, <50 Logic low with in prior to output 1 Connection to e: Single wire curre	ary to Ground, 1 Sec. ndary to Ground, 1 Sec. 000uA SFC 00uA SFC put power failure 10 ms minimum dropping 1%. dernal 5V bias inhibits output. ent sharing with return via negative		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional)	2545 VDC, Prim 707 VDC, Secon <300uA NC, <10 <100uA NC, <50 Logic low with in prior to output 1 Connection to e: Single wire curre sense return. Mi	ary to Ground, 1 Sec. adary to Ground, 1 Sec. DOUA SFC DOUA SFC put power failure 10 ms minimum dropping 1%. Atternal 5V bias inhibits output. ent sharing with return via negative nimum current share load is 10% of		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional)	2545 VDC, Prim 707 VDC, Secon <300uA NC, <10 <100uA NC, <50 Logic low with in prior to output 1 Connection to e: Single wire curre sense return. Mi each module's o	ary to Ground, 1 Sec. adary to Ground, 1 Sec.		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional)	2545 VDC, Prim 707 VDC, Secon <300uA NC, <10 <100uA NC, <50 Logic low with in prior to output 1 Connection to ed Single wire curre sense return. Mi each module's of voltage deviation	ary to Ground, 1 Sec. adary to		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional)	2545 VDC, Prim 707 VDC, Secon <300uA NC, <10 <100uA NC, <50 Logic low with in prior to output 1 Connection to e: Single wire curre. Mi each module's c voltage deviation V models and 40	ary to Ground, 1 Sec. dary to Ground, 1 Sec. D00uA SFC D0uA SFC put power failure 10 ms minimum dropping 1%. kternal 5V bias inhibits output. ent sharing with return via negative nimum current share load is 10% of utput current rating. Maximum output n between modules is 5% for 2.5 through 5 D0 mV for remaining models.		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional)	2545 VDC, Prim 707 VDC, Secon <300uA NC, <10 <100uA NC, <50 Logic low with ir prior to output 1 Connection to e: Single wire curre sense return. Mi each module's c voltage deviation V models and 40 400mV compens	ary to Ground, 1 Sec. ndary to Ground, 1 Sec.		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures	2545 VDC, Prim 707 VDC, Secon <300uA NC, <10 <100uA NC, <50 Logic low with ir prior to output 1 Connection to e: Single wire curre sense return. Mi each module's c voltage deviation V models and 40 400mV compen: 100,000 Hours,	ary to Ground, 1 Sec. ndary to Ground, 1 Sec.		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight	2545 VDC, Prim 707 VDC, Secon <300uA NC, <10 <100uA NC, <50 Logic low with in prior to output 1 Connection to e. Single wire curre sense return. Mi each module's c voltage deviation V models and 44 400mV compen: 100,000 Hours, 0.56 Lbs. Open	ary to Ground, 1 Sec. ndary to Ground, 1 Sec.		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight ELECTROMAGNETIC	2545 VDC, Prim 707 VDC, Secon <300uA NC, <10 <100uA NC, <50 Logic low with ir prior to output 1 Connection to e: Single wire curre sense return. Mi each module's c voltage deviation V models and 40 400mV compen: 100,000 Hours, 0.56 Lbs. Open	ary to Ground, 1 Sec. 1000uA SFC		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight ELECTROMAGNETIC Electrostatic Discharge	2545 VDC, Prim 707 VDC, Secon <a00ua <10<a00ua="" <50<="" <50<a00ua="" nc,="" td=""><td>ary to Ground, 1 Sec. ndary to Ground, 1 Sec.</td></a00ua>	ary to Ground, 1 Sec. ndary to Ground, 1 Sec.		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight ELECTROMAGNETIC Electrostatic Discharge Radiated Electromagnetic Field	2545 VDC, Prim 707 VDC, Secon <300uA NC, <10 <100uA NC, <50 Logic low with ir prior to output 1 Connection to e: Single wire curre sense return. Mi each module's c voltage deviation V models and 40 400mV compen: 100,000 Hours, 0.56 Lbs. Open	ary to Ground, 1 Sec. 1000uA SFC		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight ELECTROMAGNETIC Electrostatic Discharge	2545 VDC, Prim 707 VDC, Secon <a00ua <10<a00ua="" <50<="" <50<a00ua="" nc,="" td=""><td>ary to Ground, 1 Sec. ndary to Ground, 1 Sec.</td></a00ua>	ary to Ground, 1 Sec. ndary to Ground, 1 Sec.		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight ELECTROMAGNETIC Electrostatic Discharge Radiated Electromagnetic Field	2545 VDC, Prim 707 VDC, Secon <a00ua <10<a100ua="" <50<a="" nc,="">10 (200uA NC, <50 Logic low with ir prior to output 1 Connection to expense return. Mi each module's covoltage deviation V models and 44 400mV compension, 0.56 Lbs. Open COMPATIEN 61000-4-2 EN 61000-4-3</a00ua>	ary to Ground, 1 Sec. ndary to Ground, 1 Sec.		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight ELECTROMAGNETIC Electrostatic Discharge Radiated Electromagnetic Field EFT/Bursts Surges	2545 VDC, Prim 707 VDC, Secon <a00ua <10<a="" <10<a100ua="" nc,="">100uA NC, <50 Logic low with ir prior to output 1 Connection to each module's covoltage deviation V models and 44 400mV compensions. 0.56 Lbs. Open EN 61000-4-2 EN 61000-4-3 EN 61000-4-5</a00ua>	ary to Ground, 1 Sec. ndary to Ground		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight ELECTROMAGNETIC Electrostatic Discharge Radiated Electromagnetic Field EFT/Bursts Surges Conducted Immunity	2545 VDC, Prim 707 VDC, Secon <300uA NC, <10<100uA NC, <10<100uA NC, <50<100uA NC, <50<100uA NC, <50<100uB NC, <50<1	ary to Ground, 1 Sec. adary to Ground Sec. ad		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight ELECTROMAGNETIC Electrostatic Discharge Radiated Electromagnetic Field EFT/Bursts Surges Conducted Immunity Magnetic Field Immunity	2545 VDC, Prim 707 VDC, Secon 707 VDC, Secon <300uA NC, <10 <100uA NC, <50	ary to Ground, 1 Sec. Indary to Ground, 1 Sec. Index of Ground Inde		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight ELECTROMAGNETIC Electrostatic Discharge Radiated Electromagnetic Field EFT/Bursts Surges Conducted Immunity	2545 VDC, Prim 707 VDC, Secon <300uA NC, <10<100uA NC, <10<100uA NC, <50<100uA NC, <50<100uA NC, <50<100uB NC, <50<1	ary to Ground, 1 Sec. Idary to Ground Idary to Ground Idary Idary Idary to Ground Idary Id		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight ELECTROMAGNETIC Electrostatic Discharge Radiated Electromagnetic Field EFT/Bursts Surges Conducted Immunity Magnetic Field Immunity	2545 VDC, Prim 707 VDC, Secon 707 VDC, Secon <300uA NC, <10 <100uA NC, <50	ary to Ground, 1 Sec. Indary to Ground, 1 S		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight ELECTROMAGNETIC Electrostatic Discharge Radiated Electromagnetic Field EFT/Bursts Surges Conducted Immunity Magnetic Field Immunity Voltage Dips	2545 VDC, Prim 707 VDC, Secon 707 VDC, Secon <300uA NC, <10 <100uA NC, <50	ary to Ground, 1 Sec. ndary to Ground, 1 Sec.		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight ELECTROMAGNETIC Electrostatic Discharge Radiated Electromagnetic Field EFT/Bursts Surges Conducted Immunity Magnetic Field Immunity Voltage Dips	2545 VDC, Prim 707 VDC, Secon 707 VDC, Secon <300uA NC, <10 <100uA NC, <50	ary to Ground, 1 Sec. ndary to Ground, 1 Sec.		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight ELECTROMAGNETIC Electrostatic Discharge Radiated Electromagnetic Field EFT/Bursts Surges Conducted Immunity Magnetic Field Immunity Voltage Dips	2545 VDC, Prim 707 VDC, Secon 707 VDC, Secon <300uA NC, <10 <100uA NC, <10 <100uA NC, <50 <100uC NC, <50 <10 <100uC NC, <50 <10 <10 <10 <10 <10 <10 <10 <10 <10 <1	ary to Ground, 1 Sec. Indary to Ground, 1 S		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight ELECTROMAGNETIC Electrostatic Discharge Radiated Electromagnetic Field EFT/Bursts Surges Conducted Immunity Magnetic Field Immunity Voltage Dips	2545 VDC, Prim 707 VDC, Secon 707 VDC, Secon <300uA NC, <10 <100uA NC, <50	ary to Ground, 1 Sec. ndary to Ground, 1 Sec.		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight ELECTROMAGNETIC Electrostatic Discharge Radiated Electromagnetic Field EFT/Bursts Surges Conducted Immunity Magnetic Field Immunity Voltage Dips Voltage Interruptions Radiated Emissions	2545 VDC, Prim 707 VDC, Secon 707 VDC, Secon <300uA NC, <10 <100uA NC, <50	ary to Ground, 1 Sec. ndary to Ground		
Reinforced Insulation Basic Insulation Operational Insulation Leakage Current Earth Leakage Touch Current Power Fail Signal Remote Inhibit (optional) Load Share (optional) Remote Sense Mean-Time Between Failures Weight ELECTROMAGNETIC Electrostatic Discharge Radiated Electromagnetic Field EFT/Bursts Surges Conducted Immunity Magnetic Field Immunity Voltage Dips Voltage Interruptions Radiated Emissions	2545 VDC, Prim 707 VDC, Secon 707 VDC, Secon <300uA NC, <10 <100uA NC, <50	ary to Ground, 1 Sec. and y to Ground y to G		

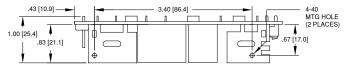
Voltage Fluctuations and Flicker

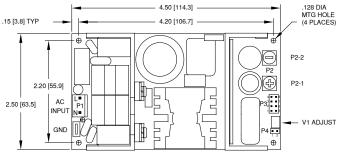
EN 61000-3-3

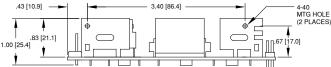
Compliance

NXT-100 SERIES MECHANICAL SPECIFICATIONS

OPEN FRAME

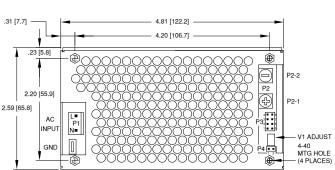






OPTIONAL CHASSIS/COVER





AC Input

ALL DIMENSIONS IN INCHES (MM

CONNECTOR SPECIFICATIONS

P1 LINE NEUTRAL

.156 friction lock header mates with Molex 09-50-3031 or equivalent crimp terminal housing with Molex 2478 or equivalent crimp terminal.

P2 DC Output OUTPUT 1 (+) $1 \bigoplus \bigcirc 2$ OUTPUT 1 (-)

6-32 screw down terminal mates with #6 ring tongue terminal. (10 in-lb Max)

.100 friction lock header mates with Molex 22-55-2081 or equivalent crimp terminal housing with Molex 71851 or crimp equivalent terminal.

P4 Inhibit,
SHARE BUS 1 2 INHIBIT Load Share

.100 friction lock header mates with Molex 50-57-9002 or equivalent crimp terminal housing with Molex 71851 or equivalent crimp terminal.

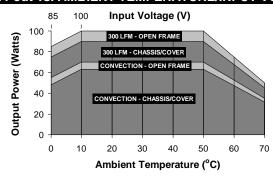
Ground

.187 quick disconnect terminal.

APPLICATIONS INFORMATION

- Sufficient area must be provided around power supply to allow natural movement of air to develop in convection cooled applications.
- 300 linear feet per minute of airflow must be maintained one inch above the top of the heatsinks in any direction in open frame forced air applications.
- 300 linear feet per minute of airflow must be maintained one inch above and toward any of the three perforated sides of the cover in forced air chassis/cover applications.
- Generally, adequate cooling is provided when semiconductor case temperatures do not exceed 70° C rise and transformer temperature does not exceed 60° C rise at any specified ambient temperature.
- 5. This product is intended for use as a professionally installed component within information technology, industrial and medical equipment and is not intended for stand alone operation. Common RF shielding precautions may need to be taken to assure emissions compliance. Refer to operating instructions for additional information.
- This product includes only one fuse in the input circuit. In consideration of clause 8.11.5 of IEC 60601-1:2005, a second fuse may be required in the end product.
- 7. Low forward voltage drop oring diodes must be used in all load sharing applications in 2.5 through 15 Volt models. Oring diodes must be used on 24 through 48 Volt models used in fault tolerant applications but are optional in power boosting applications. Oring diode power dissipation must be subtracted from the maximum output power rating of each model.
- Current carrying conductors in load sharing applications must be short and symmetrical.
 Remote sense conductors should be a twisted pair. The use of an appropriately rated low impedance capacitor across the load will increase noise immunity.
- Refer to Load Share Evaluation Board data sheet (page 58) for additional load share applications information.
- 10. Remote sense terminals may be used to compensate for cable losses up to 400 mV depending on model. The use of a twisted pair, decoupling capacitors and an appropriately rated low impedance capacitor connected across the load will increase noise immunity.
- 11. P3-2 Load Share Enable and P4-2 Remote Inhibit will share a common negative return pin
- 12. Remote Inhibit option will require an outside TTL compatible source.
- 13. 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.
- 14. This product was type tested and safety certified using the dielectric strength test voltages listed in Table 6 of IEC 60601-1:2005. In consideration of Clause 8.8.3, care must be taken to insure that the voltage applied to a reinforced insulation does not overstress different types and levels of insulation. Primary and secondary to ground capacitors may need to be disconnected prior to performing a dielectric strength test on the power supply or the end product. It is highly recommended that the DC test voltages listed in DVB.1, Annex DVB of UL 60601-1 1st Edition are not exceeded during a production-line dielectric strength test of the assembled end product. Please consult factory for further information.
- 15. This power supply has been safety approved and final tested using a DC dielectric strength test. Please consult factory before performing an AC dielectric strength test.
- 16. Maximum screw penetration into bottom chassis mounting holes is .100 inches.
- 17. Maximum screw penetration into side chassis mounting holes is .250 inches.
- 18. To comply with emissions specifications, all four mounting hole pads must be electrically connected to a common metal chassis. Chassis/cover option recommended.

MAX Pout vs. AMBIENT TEMPERATURE/INPUT VOLTAGE



Derating requirements – Chart above applies to models 1003 thru 1008 only. 100 Watts 300 LFM forced air, open frame. 70 Watts convection cooled open frame. Derate 10% with chassis and cover. Derate 1.0 W_{OUT} / 1 V_{IN} below 100 V_{IN} and between 100 V_{IN} and 85 V_{IN} . Use larger of the two deratings when using chassis/cover below 100 V_{IN} . Derate output power linearly to 50% between 50° and 70° C

TYPICAL LOAD SHARE/REMOTE SENSE APPLICATION

