110 WATTS

FEATURES:

- Compact 3" x 5" x 1.3" Size
- 2 Year Warranty
- Universal 85-264V Input
- One to Four Outputs
- High Efficiency
- 0-70°C Operating Temperature
- IEC 60601-1 3rd ed. Medical Cert.
- IEC 62368-1 2nd ed. ITE Certification
- IEC 60601-1-2 4th ed. EMC
- Class B Emissions per EN55011/32
- RoHS Compliant
- . Optional Chassis/Cover



CHASSIS/COVER

OPEN FRAME

SAFET **SPECIFICATIONS**



C TUS File E137708/E140259 Underwriters Laboratories UL 62368-1:2014, 2nd Edition CAN/CSA-C22.2 No. 62368-1-14, 2nd Edition AAMI/ANSI ES60601-1:2005/(R) 2012(R)2021 CAN/CSA-C22.2 No. 60601-1:2014:2022



CB Reports/Certificates (including all IEC 62368-1:2014, 2nd Edition National and Group Deviations) IEC 60601-1:2005/A1:2012



EN 62368-1:2014, 2nd Edition TUV SUD America EN 60601-1:2006/A1:2013



Low Voltage Directive (2014/35/EU of February 2014) RoHS Directive (Recast) (2015/863/EU of March 2015)



Electrical Equipment (Safety) Regulations 2016 SI No. 1101

Restriction of the Use of Certain Hazardous Substances in EEE Regulations 2012 SI No. 3032 + 2019 SI No.492

MODEL LISTING MODEL OUTPUT 1₍₂₁₎ OUTPUT 2₍₂₁₎ OUTPUT 3₍₂₀₎ OUTPUT 4₍₂₀₎ REL-110-4001 +3.3V/10A(22) +12V/2A -12V/2A +5V/10A₍₂₂₎ REL-110-4002 +3.3V/6A +12V/2A -12V/2A REL-110-4003 +5V/10A(22) +3.3V/6A +15V/2A -15V/2A REL-110-4004 +5V/10A(22) -5V/6A +12V/2A -12V/2A REL-110-4005 +5V/10A(22) -5V/6A +15V/2A -15V/2A +5V/10A₍₂₂₎ REL-110-4006 -12V/2A +24V/2A +12V/2A REL-110-4007 +5V/10A(22) +24V/2A +15V/2A -15V/2A REL-110-4009 +5V/10A(22) +24V/2A +7V/2.5A -7V/2.5A +5V/10A₍₂₂₎ REL-110-3001 +12V/3A -12V/3A REL-110-3002 +5V/10A(22) +15V/2A -15V/2A REL-110-3003 +8V/6A -8V/1A +30V/1A REL-110-3004 +9V/3A -24V/3A +13V/2A REL-110-2001 +3.3V/10A(22) +5V/6A REL-110-2002 +5V/10A(22) +12V/5A +5V/10A₍₂₂₎ REL-110-2003 +24V/3A REL-110-2004 +12V/5A -12V//4A REL-110-2005 +15V/4A -15V/3A REL-110-2006 +18V/4A -18V/3A 2.5V/22A₍₂₃₎ REL-110-1001 REL-110-1002 3.3V/22A(23) REL-110-1003 5V/22A₍₂₃₎ REL-110-1004 12V/9.2A REL-110-1005 15V/7.3A REL-110-1006 24V/4.6A REL-110-1007 28V/3.9A REL-110-1008 48V/2.3A

ORDERING INFORMATION

Consult factory for alternate output configurations Consult factory for positive, negative or floating outputs. Please specify the following optional features when ordering:

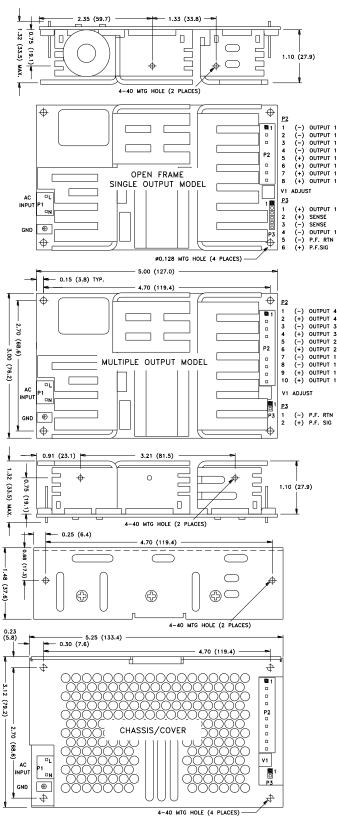
CH - Chassis I/O - Isolated Outputs TS – Terminal Strip CO - Cover

REL-110

| Total Output Power at 50°C(1) | PUT SPECIF 80W | Convection Cooled(16)(18) |
|---|---|--|
| (See Derating Chart) | 110W | 300LFM Forced-Air Cooled(15)(17)(19) |
| Output Voltage Centering | Output 1: | ± 0.5% (All outputs |
| output rollage collicing | Output 2: | ± 5.0% at 50% load) |
| | Output 3: | ± 5.0% |
| | Output 4: | ± 5.0% |
| Output Voltage Adjust Range | Output 1: | 95-105% |
| Load Regulation | Output 1: | 0.5% (10-100% load change) |
| | Output 2: | 5.0% |
| | (4001-5 Models) | 8.0% |
| | (2001 Model) | 6.0% |
| | Output 3: | 5.0% |
| | Output 4: | 5.0% |
| Source Regulation | Outputs 1 – 4: | 0.5% |
| Cross Regulation | Outputs 2 – 4: | 5.0% |
| Output Noise | Outputs 1 – 4: | 1.0% |
| Turn on Overshoot | None | |
| Transient Response | Outputs 1 – 4 | |
| Voltage Deviation Recovery Time | 5.0% | |
| Load Change | 500μS 50% to 100% | |
| Output Overvoltage Protection | Output 1: | 110% to 150% |
| Output Overpower Protection | | Pout, cycle on/off, auto recovery |
| Hold Up Time | 16mS min., Full F | Power 85V Input |
| Start Up Time | 4 Seconds, 120V | Input |
| IMF | PUT SPECIFIC | CATIONS |
| Protection Class | OT OF EOIL IN | SATIONS |
| Source Voltage | 85 – 264 Volts A | r: |
| Frequency Range | 47 – 63 Hz | <u> </u> |
| Peak Inrush Current | 40A | |
| Efficiency | | ower, 230V, varies by model |
| Power Factor | 0.95 (Full Power, | 230V) |
| | | ECIFICATIONS |
| Ambient Operating | 0°C to + 70°C | 23110/4110110 |
| Temperature Range | | wer Rating Chart |
| Ambient Storage Temp. Range | - 40°C to + 85°C | |
| Temperature Coefficient | Outputs 1 – 4: | 0.02%/°C |
| remperature Odenicient | | perating – Medical 60601-1 |
| Altitude | 5 000m ASI - O | perating – ITE/AV – 62368-1 |
| | 12,192m ASL – N | Non-Operating |
| GEN | ERAL SPECII | |
| Means of Protection | | |
| Primary to Secondary | 2MOPP (Means | of Patient Protection) |
| Primary to Ground | | of Patient Protection) |
| Secondary to Ground | Operational Insula | ation(Consult factory for 1MOPP) |
| Dielectric Strength(8, 9) | | |
| Reinforced Insulation | 5656 VDC, Prima | |
| Basic Insulation | 2121 VDC, Prima | |
| Operational Insulation | 707 VDC, Seco | ndary to Ground |
| Leakage Current | .000 **** | |
| Earth Leakage | <300µA NC, <10 | |
| Touch Current | <100µA NC, <50 | |
| | | NULL DOWER TRIBLICATION OF THE MICE |
| rower Fall Signal ₍₁₄₎ | Logic low with inp | |
| | minimum prior to | Output 1 dropping 1% |
| Remote Sense (singles only)(10) | minimum prior to 250mV compens | Output 1 dropping 1% ation of output cable losses |
| Remote Sense (singles only)(10) Mean-Time Between Failures | minimum prior to 250mV compens 100,000 Hours m | Output 1 dropping 1% ation of output cable losses in., MIL-HDBK-217F, 25° C, GB |
| Remote Sense (singles only)(10) Mean-Time Between Failures Weight | minimum prior to 250mV compens 100,000 Hours m 0.80 Lbs. Open | Output 1 dropping 1% ation of output cable losses in., MIL-HDBK-217F, 25° C, GB Frame/ 1.28 Lbs. Chassis and Cover |
| Remote Sense (singles only)(10) Mean-Time Between Failures Weight EMCSPECIFICATION | minimum prior to 250mV compens 100,000 Hours m 0.80 Lbs. Open IS (IEC 60601-1- | Output 1 dropping 1% ation of output cable losses in., MIL-HDBK-217F, 25° C, GB Frame/ 1.28 Lbs. Chassis and Cover 2:2014, 4 TH ed./IEC 61000-6-2:2005 |
| Remote Sense (singles only)(10) Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge | minimum prior to 250mV compens 100,000 Hours m 0.80 Lbs. Open IS (IEC 60601-1- EN 61000-4-2 | Output 1 dropping 1% ation of output cable losses in., MIL-HDBK-217F, 25° C, GB Frame/ 1.28 Lbs. Chassis and Cover 2:2014, 4 TH ed./IEC 61000-6-2:2005 ±8KV contact / ±15KV air discharge |
| Remote Sense (singles only)(10) Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field | minimum prior to 250mV compens 100,000 Hours m 0.80 Lbs. Open IS (IEC 60601-1- EN 61000-4-2 EN 61000-4-3 | Output 1 dropping 1% ation of output cable losses in., MIL-HDBK-217F, 25° C, GB Frame/ 1.28 Lbs. Chassis and Cover 2:2014, 4 TH ed./IEC 61000-6-2:2005 ±8KV contact / ±15KV air discharge 80MHz-2.7GHz, 10V/m, 80% AM |
| Remote Sense (singles only)(10) Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts | minimum prior to 250mV compens 100,000 Hours m 0.80 Lbs. Open IS (IEC 60601-1- EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 | Output 1 dropping 1% ation of output cable losses iin., MIL-HDBK-217F, 25° C, GB Frame/ 1.28 Lbs. Chassis and Cover 2:2014, 4 TH ed./IEC 61000-6-2:2005 ±8KV contact / ±15KV air discharge 80MHz-2.7GHz, 10V/m, 80% AM ±2 KV, 5KHz/100KHz |
| Remote Sense (singles only)(10) Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity | minimum prior to 250mV compens 100,000 Hours m 0.80 Lbs. Open IS (IEC 60601-1- EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 | Output 1 dropping 1% ation of output cable losses iin., MIL-HDBK-217F, 25° C, GB Frame/ 1.28 Lbs. Chassis and Cover 2:2014, 4 TH ed./IEC 61000-6-2:2005 ±8KV contact / ±15KV air discharge 80MHz-2.7GHz, 10V/m, 80% AM ±2 KV, 5KHz/100KHz ±2 KV line to earth / ±1 KV line to line |
| Remote Sense (singles only)(10) Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity | minimum prior to 250mV compens 100,000 Hours m 0.80 Lbs. Open IS (IEC 60601-1- EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 | Output 1 dropping 1% ation of output cable losses iin., MIL-HDBK-217F, 25° C, GB Frame/ 1.28 Lbs. Chassis and Cover 2:2014, 4 TH ed./IEC 61000-6-2:2005 ±8KV contact / ±15KV air discharge 80MHz-2.7GHz, 10V/m, 80% AM ±2 KV, 5KHz/100KHz ±2 KV line to earth / ±1 KV line to line 0.15 to 80MHz, 10V, 80% AM |
| Remote Sense (singles only)(10) Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity Magnetic Field Immunity | minimum prior to 250mV compens 100,000 Hours m 0.80 Lbs. Open IS (IEC 60601-1-EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8 | Output 1 dropping 1% ation of output cable losses inin., MIL-HDBK-217F, 25° C, GB Frame/ 1.28 Lbs. Chassis and Cover 2:2014, 4 TH ed./IEC 61000-6-2:2005 ±8KV contact / ±15KV air discharge 80MHz-2.7GHz, 10V/m, 80% AM ±2 KV, 5KHz/100KHz ±2 KV, 5KHz/100KHz 0.15 to 80MHz, 10V, 80% AM 30A/m, 60 Hz. |
| Remote Sense (singles only) ₍₁₀₎ Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity Magnetic Field Immunity | minimum prior to 250mV compens 100,000 Hours m 0.80 Lbs. Open IS (IEC 60601-1- EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 | Output 1 dropping 1% ation of output cable losses iin., MIL-HDBK-217F, 25° C, GB Frame/ 1.28 Lbs. Chassis and Cover 2:2014, 4 TH ed./IEC 61000-6-2:2005 ±8KV contact / ±15KV air discharge 80MHz-2.7GHz, 10V/m, 80% AM ±2 KV, 5KHz/100KHz ±2 KV line to earth / ±1 KV line to line 0.15 to 80MHz, 10V, 80% AM 30A/m, 60 Hz. 0% UT, 0.5 cycles, 0-315° 100/240V A |
| Remote Sense (singles only) ₍₁₀₎ Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity Magnetic Field Immunity | minimum prior to 250mV compens 100,000 Hours m 0.80 Lbs. Open IS (IEC 60601-1-EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8 | Output 1 dropping 1% ation of output cable losses iin., MIL-HDBK-217F, 25° C, GB Frame/ 1.28 Lbs. Chassis and Cover 2:2014, 4 TH ed./IEC 61000-6-2:2005 ±8KV contact / ±15KV air discharge 80MHz-2.7GHz, 10V/m, 80% AM ±2 KV, 5KHz/100KHz ±2 KV line to earth / ±1 KV line to line 0.15 to 80MHz, 10V, 80% AM 30A/m, 60 Hz. 0% UT, 0.5 cycles, 0-315° 100/240V A 0% UT, 1 cycles, 0° 100/240V A 100/240V A |
| Remote Sense (singles only) ₍₁₀₎ Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity Magnetic Field Immunity | minimum prior to 250mV compens 100,000 Hours m 0.80 Lbs. Open IS (IEC 60601-1-EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8 | Output 1 dropping 1% ation of output cable losses iin., MIL-HDBK-217F, 25° C, GB Frame/ 1.28 Lbs. Chassis and Cover 2:2014, 4 TH ed./IEC 61000-6-2:2008 ±8KV contact / ±15KV air discharge 80MHz-2.7GHz, 10V/m, 80% AM ±2 KV, 5KHz/100KHz ±2 KV line to earth / ±1 KV line to line 0.15 to 80MHz, 10V, 80% AM 30A/m, 60 Hz. 0% UT, 0.5 cycles, 0-315° 100/240V A 0% UT, 1 cycles, 0° 100/240V A 40% UT, 10/12 cycles, 0° 100/240V B |
| Remote Sense (singles only)(10) Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity Magnetic Field Immunity Voltage Dips | minimum prior to 250mV compens 100,000 Hours m 0.80 Lbs. Open IS (IEC 60601-1-EN 61000-4-2 EN 61000-4-3 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8 EN 61000-4-11 | Output 1 dropping 1% ation of output cable losses iin., MIL-HDBK-217F, 25° C, GB Frame/ 1.28 Lbs. Chassis and Cover 2:2014, 4 TH ed./IEC 61000-6-2:2005 ±8KV contact / ±15KV air discharge 80MHz-2.7GHz, 10V/m, 80% AM ±2 KV, 5KHz/100KHz ±2 KV line to earth / ±1 KV line to line 0.15 to 80MHz, 10V, 80% AM 30A/m, 60 Hz. 0% UT, 0.5 cycles, 0-315° 100/240V A 0% UT, 1 cycles, 0° 100/240V A 40% UT, 10/12 cycles, 0° 100/240V B 70% UT, 25/30 cycles, 0° 100/240V B 100/240V B |
| Remote Sense (singles only)(10) Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity Magnetic Field Immunity Voltage Dips | minimum prior to 250mV compens 100,000 Hours m 0.80 Lbs. Open IS (IEC 60601-1-EN 61000-4-2 EN 61000-4-3 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8 EN 61000-4-11 | Output 1 dropping 1% ation of output cable losses iin., MIL-HDBK-217F, 25° C, GB Frame/ 1.28 Lbs. Chassis and Cover 2:2014, 4 TH ed./IEC 61000-6-2:2005 ±8KV contact / ±15KV air discharge 80MHz-2.7GHz, 10V/m, 80% AM ±2 KV, 5KHz/100KHz ±2 KV line to earth / ±1 KV line to line 0.15 to 80MHz, 10V, 80% AM 30A/m, 60 Hz. 0% UT, 0.5 cycles, 0-315° 100/240V A 40% UT, 10/12 cycles, 0° 100/240V A 40% UT, 10/12 cycles, 0° 100/240V B 70% UT, 25/30 cycles, 0° 100/240V B 0% UT, 300 cycles, 0° 100/240V B |
| Remote Sense (singles only)(10) Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity Magnetic Field Immunity Voltage Dips Voltage Interruptions Radiated Emissions | minimum prior to 250mV compens 100,000 Hours m 0.80 Lbs. Open IS (IEC 60601-1-EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-11 EN 61000-4-11 EN 65011/32 | Output 1 dropping 1% ation of output cable losses inin, MIL-HDBK-217F, 25° C, GB Frame/ 1.28 Lbs. Chassis and Cover 2:2014, 4 TH ed./IEC 61000-6-2:2005 ±8KV contact / ±15KV air discharge 80MHz-2.7GHz, 10V/m, 80% AM ±2 KV, 5KHz/100KHz ±2 KV line to earth / ±1 KV line to line 0.15 to 80MHz, 10V, 80% AM 30A/m, 60 Hz. 0% UT, 0.5 cycles, 0° 315° 100/240V A 40% UT, 10/12 cycles, 0° 100/240V A 40% UT, 10/12 cycles, 0° 100/240V B 0% UT, 25/30 cycles, 0° 100/240V B 0% UT, 300 cycles, 0° 100/240V B Class B |
| Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity Magnetic Field Immunity Voltage Dips Voltage Interruptions Radiated Emissions Conducted Emissions | minimum prior to 250mV compens 100,000 Hours m 0.80 Lbs. Open IS (IEC 60601-1-EN 61000-4-2 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-11 EN 61000-4-11 EN 65011/32 EN 55011/32 | Output 1 dropping 1% ation of output cable losses inin, MIL-HDBK-217F, 25° C, GB Frame/ 1.28 Lbs. Chassis and Cover 2:2014, 4 TH ed./IEC 61000-6-2:2005 ±8KV contact / ±15KV air discharge 80MHz-2.7GHz, 10V/m, 80% AM ±2 KV, 5KHz/100KHz ±2 KV line to earth / ±1 KV line to line 0.15 to 80MHz, 10V, 80% AM 30A/m, 60 Hz. 0% UT, 0.5 cycles, 0° 315° 100/240V A 40% UT, 10/12 cycles, 0° 100/240V A 40% UT, 10/12 cycles, 0° 100/240V B 70% UT, 25/30 cycles, 0° 100/240V B Class B Class B |
| Remote Sense (singles only)(10) Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity Magnetic Field Immunity Voltage Dips Voltage Interruptions Radiated Emissions | minimum prior to 250mV compens 100,000 Hours m 0.80 Lbs. Open IS (IEC 60601-1-EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-11 EN 61000-4-11 EN 65011/32 | Output 1 dropping 1% ation of output cable losses inn., MIL-HDBK-217F, 25° C, GB Frame/ 1.28 Lbs. Chassis and Cover 2:2014, 4 TH ed./IEC 61000-6-2:2005 ±8KV contact / ±15KV air discharge 80MHz-2.7GHz, 10V/m, 80% AM ±2 KV, 5KHz/100KHz ±2 KV line to earth / ±1 KV line to line 0.15 to 80MHz, 10V, 80% AM 30A/m, 60 Hz. 0% UT, 0.5 cycles, 0° 315° 100/240V A 40% UT, 10/12 cycles, 0° 100/240V A 40% UT, 10/12 cycles, 0° 100/240V B 0% UT, 25/30 cycles, 0° 100/240V B 0% UT, 300 cycles, 0° 100/240V B Class B |

All specifications are maximum at 25° C, 110W unless otherwise stated, may vary by model and are subject to change without notice.

REL-110 SERIES MECHANICAL SPECIFICATIONS

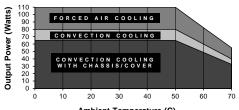


ALL DIMENSIONS IN INCHES (mm)

APPLICATIONS INFORMATION

- Each output can deliver its rated current but Total Output Power must not exceed 110W, as determined by the cooling method.
- 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.
- Sufficient area must be provided around power supply to allow natural movement of air to develop in convection-cooled applications.
- 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
- A minimum load of 10% is required on Output 1 to ensure proper regulation of remaining outputs.
- 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 neutral conductor of the end
 product.
- 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 (tip-and-barrel method), 20 MHz bandwidth.
- 8. 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.
- 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.
- Remote-Sense terminals may be used to compensate for cable losses up to 250mV (single-output models only). The use of a twisted pair, decoupling capacitors and an appropriately-rated low-impedance capacitor connected across the load will increase noise immunity.
- Maximum screw penetration into bottom chassis mounting holes is 0.100 inches.
 Maximum screw penetration into side chassis mounting holes is 0.250 inches.
- To comply with emissions specifications, all four mounting hole pads must be electrically connected to a common metal chassis. Chassis/Cover option is recommended. Refer to Operating Instructions for additional information.
- Common RF shielding precautions may need to be taken to assure emissions compliance. Refer to Operating Instructions for additional information.
- Power-Fail (AC-Good) feature provides a logic-low warning signal from an open collector transistor output 10ms prior to loss of output from AC failure, 5V/10mA.
- 300LFM minimum of airflow must be maintained one inch above all points of top-side components or cover when forced-air cooling is required.
- Total power must not exceed 80W with convection cooling on open-frame models except where noted.
- Total power must not exceed 110W with 300LFM forced-air cooling on open-frame models.
- 18. Total power must not exceed 65W with convection cooling and Chassis/Cover option.
- Total power must not exceed 110W with 300LFM forced-air cooling and Chassis/Cover option
- 20. Total current from Outputs 3 & 4 must not exceed 3A with convection cooling.
- 21. Total current from Outputs 1 & 2 must not exceed 12A with convection cooling.
- 22. Rated 8A maximum with convection cooling.23. Rated 16A maximum with convection cooling

MAXIMUM OUTPUT POWER vs. AMBIENT TEMPERATURE



| | Ambient | remperature (C) |
|----|---------|-------------------|
| NE | CTOR | SPECIFICAT |

| | | CONNECTOR SPECIFICATIONS | |
|----|-------------------------|---|-------|
| P1 | AC Input | 0.156 friction lock header mates with Tyco 640250-3 or equivalent crimp terminal housing with Tyco 3-640706-1 or equivalent crimp terminal. | |
| P2 | DC Output (Single) | 0.156 friction lock header mates with Tyco 770849-8 or equivalent crimp terminal housing with Tyco 3-640707-1 or equivalent crimp terminal. | - |
| P2 | DC Output (Multiple) | 0.156 friction lock header mates with Tyco 1-770849-0 or equivalent crimp terminal housing with Tyco 3-640707-1 or equivalent crimp terminal. | - |
| G | Ground | 0.187 quick disconnect terminal. | _ [|
| P3 | P.F./Sense (Single) | 0.100 breakaway header mates with Molex 50-57-9006 or equivalent crimp terminal housing with Molex type 71851 or equivalent crimp terminal. | - |
| P3 | P.F. (Multiple) | 0.100 breakaway header mates with Molex 50-57-9002 or equivalent crimp terminal housing with Molex type 71851 or equivalent crimp terminal. | 72023 |