110 WATTS

SINGLE/MULTI OUTPUT DC-DC

FEATURES:

- Compact 3" x 5" x 1.3" Size
- 2 Year Warranty
- 36-72VDC Input
- IEC 62368-1 2nd ed. Certification
 0-70°C Operating Temperature • RoHS Compliant

• IEC 60601-1 3rd ed. Medical Cert.

- One to Four Outputs
- 4242VDC Reinforced Insulation
 - Optional Chassis/Cover Power Good Signal
- Under/Overvoltage Lockout Size/Pin Compatible with REL-110 Series

CHASSIS/COVER

OPEN F	RAME

	SAFETY SPEC	IFICATIONS
c 91) us	Underwriters Laboratories File E137708/E140259	UL 62368-1:2014, 2nd Edition CAN/CSA-C22.2 No. 62368-1-14, 2nd Ed AAMI/ANSI ES60601-1:2005/(R) 2012 CAN/CSA-C22.2 No. 60601-1:2014
	CB Reports/Certificates (including all National and Group Deviations)	IEC 62368-1:2014, 2nd Edition IEC 60601-1:2005/A1:2012
	TUV SUD America	EN 62368-1:2014, 2nd Edition EN 60601-1:2006/A1:2013
CE	RoHS Directive (Recast)	(2015/863/EU of March 2015)
UK CA	Restriction of the Use of Certain Haza 2012 SI No. 3032 + 2019 SI No.492	ardous Substances in EEE Regulations

MODEL LISTING

MODEL	OUTPUT 1(20) OUTPUT 2(20) OUTPUT 3(19) OUTPUT 4(19)
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DC4-110-4001	+3.3V/10A(17)	+5V/6A	+12V/2A	-12V/2A	
DC4-110-4002	+5V/10A(17)	+3.3V/6A	+12V/2A	-12V/2A	
DC4-110-4003	+5V/10A(17)	+3.3V/6A	+15V/2A	-15V/2A	
DC4-110-4004	+5V/10A(17)	-5V/6A	+12V/2A	-12V/2A	
DC4-110-4005	+5V/10A(17)	-5V/6A	+15V/2A	-15V/2A	
DC4-110-4006	+5V/10A(17)	+24V/2A	+12V/2A	-12V/2A	
DC4-110-4007	+5V/10A(17)	+24V/2A	+15V/2A	-15V/2A	
DC4-110-3001	+5V/10A(17)	+12V/3A		-12V/3A	
DC4-110-3002	+5V/10A(17)	+15V/2A		-15V/2A	
DC4-110-2001	+3.3V/10A(17)	+5V/6A			
DC4-110-2002	+5V/10A(17)	+12V/5A			
DC4-110-2003	+5V/10A(17)	+24V/3A			
DC4-110-2004	+12V/5A	-12V/4A			
DC4-110-2005	+15V/4A	-15V/3A			
DC4-110-1001	2.5V/22A(18)				
DC4-110-1002	3.3V/22A(18)				
DC4-110-1003	5V/22A(18)				
DC4-110-1004	12V/9.2A				
DC4-110-1005	15V/7.3A				
DC4-110-1006	24V/4.6A				
DC4-110-1007	28V/3.9A				
DC4-110-1008	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

CO - Cover

BD – Reverse Input Protection

I/O – Isolated Outputs TS – Terminal Strip

DC4	-110
OUTPUT SPE	CIFICATION
0014/	0 1 1

Total Output Power at 50°C(1)	BOW Convection Cooled(13, 15)
(See Derating Chart)	110W 300LFM Forced-Air Cooled(12, 14, 16)
Output Voltage Centering	Output 1: $\pm 0.5\%$ (All outputs
	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 Output Noise	Outputs 2 - 4: 5.0% Outputs 1 - 4: 1.0%
Turn on Overshoot	None
Transient Response	Outputs 1 – 4
Voltage Deviation	5.0%
Recovery Time	500µS
Load Change	50% to 100%
Output Overvoltage Protection	Output 1: 110% to 150%
Output Overpower Protection	110-160% rated Pout, cycle on/off, auto recovery
Start Up Time	5 Seconds PUT SPECIFICATIONS
Input Voltage Range	36-72 VDC
Input Under-Voltage Lockout	50-12 VDC
Turn-On Voltage	29.0-35.0 VDC
Turn-Off Voltage	28.0-34.0 VDC
Input Overvoltage Shutdown	77.0-85.0 VDC
Maximum Input Current	4.2 A
Reflected Ripple Current	5%
Efficiency	82% Typ., Full Power, 48VDC, varies by model
Ambient Operating	0°C to + 70°C
Temperature Range	Derating: See Power Rating Chart
Ambient Storage Temp. Range	- 40°C to + 85°C
Temperature Coefficient	Outputs 1 – 4: 0.02%/°C
	ERAL SPECIFICATIONS
GENI Means of Protection	
GENI Means of Protection Primary to Secondary	2MOOP (Means of Operator Protection)
GENI Means of Protection Primary to Secondary Primary to Ground	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection)
CENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground	2MOOP (Means of Operator Protection)
CENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength _(7, 8)	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP)
CENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection)
GENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength _(7, 8) Reinforced Insulation	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary
CENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength _(7, 8) Reinforced Insulation Basic Insulation Operational Insulation Power Good Signal ₍₁₁₎	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground 707 VDC, Secondary to Ground Logic high with input voltage above Vin min.
CENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength _(7, 8) Reinforced Insulation Basic Insulation Operational Insulation Power Good Signal ₍₁₁₎ Remote Sense (singles only) ₍₉₎	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground 707 VDC, Secondary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses
CENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength(7, 8) Reinforced Insulation Operational Insulation Operational Insulation Power Good Signal(11) Remote Sense (singles only)(9) Mean-Time Between Failures	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground 707 VDC, Secondary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB
CENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength(7, 8) Reinforced Insulation Operational Insulation Power Good Signal(11) Remote Sense (singles only)(9) Mean-Time Between Failures	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground TO7 VDC, Secondary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB 0.65 Lbs. Open Frame
CENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength _(7,8) Reinforced Insulation Basic Insulation Operational Insulation Power Good Signal ₍₁₁₎ Remote Sense (singles only) ₍₉₎ Mean-Time Between Failures Weight	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground 707 VDC, Secondary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB 0.65 Lbs. Open Frame 1.15 Lbs. Chassis and Cover
CENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength(7, 8) Reinforced Insulation Basic Insulation Operational Insulation Power Good Signal(11) Remote Sense (singles only)(9) Mean-Time Between Failures Weight	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground 707 VDC, Secondary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB 0.65 Lbs. Open Frame 1.15 Lbs. Chassis and Cover MC SPECIFICATIONS
GENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength _(7,8) Reinforced Insulation Operational Insulation Power Good Signal ₍₁₁₎ Remote Sense (singles only) ₍₉₎ Mean-Time Between Failures Weight Electrostatic Discharge	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground 707 VDC, Secondary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB 0.65 Lbs. Open Frame 1.15 Lbs. Chassis and Cover MC SPECIFICATIONS EN61000-4-2 ±8KV contact/ ±15KV air discharge
GENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength _(7,8) Reinforced Insulation Operational Insulation Power Good Signal ₍₁₁₎ Remote Sense (singles only) ₍₉₎ Mean-Time Between Failures Weight Electrostatic Discharge Electrical Fast Transients/Bursts	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground 707 VDC, Secondary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB 0.65 Lbs. Open Frame 1.15 Lbs. Chassis and Cover VC SPECIFICATIONS EN61000-4-2 ±8KV contact/±15KV air discharge A EN61000-4-4 ±2KV, 5KHz/100KHz
GENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength(7,8) Reinforced Insulation Doperational Insulation Power Good Signal(11) Remote Sense (singles only)(9) Mean-Time Between Failures Weight Electrostatic Discharge Electrical Fast Transients/Bursts	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground 707 VDC, Secondary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB 0.65 Lbs. Open Frame 1.15 Lbs. Chassis and Cover MCSPECIFICATIONS EN61000-4-2 ±8KV contact/ ±15KV air discharge A EN61000-4-4 ±2KV, 5KHz/100KHz A EN61000-4-5 ±2KV line to earth/ ±1KV line to line
CENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength(7,8) Reinforced Insulation Doperational Insulation Power Good Signal(11) Remote Sense (singles only)(9) Mean-Time Between Failures Weight Electrostatic Discharge Electrical Fast Transients/Bursts Surge Immunity	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground 707 VDC, Secondary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB 0.65 Lbs. Open Frame 1.15 Lbs. Chassis and Cover VC SPECIFICATIONS EN61000-4-2 ±8KV contact/±15KV air discharge A EN61000-4-4 ±2KV, 5KHz/100KHz
GENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength(7, 8) Reinforced Insulation Operational Insulation Power Good Signal(11) Remote Sense (singles only)(9) Mean-Time Between Failures Weight Electrostatic Discharge Electrical Fast Transients/Bursts Surge Immunity MAXIMUM OUTPUT 110	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground 707 VDC, Secondary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB 0.65 Lbs. Open Frame 1.15 Lbs. Chassis and Cover MCSPECIFICATIONS EN61000-4-2 ±8KV contact/ ±15KV air discharge A EN61000-4-4 ±2KV, 5KHz/100KHz A EN61000-4-5 ±2KV line to earth/ ±1KV line to line
GENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength(7, 8) Reinforced Insulation Operational Insulation Power Good Signal(11) Remote Sense (singles only)(9) Mean-Time Between Failures Weight Electrostatic Discharge Electrical Fast Transients/Bursts Surge Immunity MAXIMUM OUTPUT 110 100 FORCE	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground 707 VDC, Secondary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB 0.65 Lbs. Open Frame 1.15 Lbs. Chassis and Cover MCSPECIFICATIONS EN61000-4-2 ±8KV contact/ ±15KV air discharge A EN61000-4-4 ±2KV, 5KHz/100KHz A EN61000-4-5 ±2KV line to earth/ ±1KV line to line
GENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength(7,8) Reinforced Insulation Operational Insulation Power Good Signal(11) Remote Sense (singles only)(9) Mean-Time Between Failures Weight Electrostatic Discharge Electrical Fast Transients/Bursts Surge Immunity MAXIMUM OUTPUT 110 100 90 FORCE	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground 707 VDC, Secondary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB 0.65 Lbs. Open Frame 1.15 Lbs. Chassis and Cover MC SPECIFICATIONS EN61000-4-2 ±8KV contact/±15KV air discharge A EN61000-4-4 ±2KV, 5KHz/100KHz A EN61000-4-5 ±2KV line to earth/±1KV line to line POWER vs. AMBIENT TEMPERATURE
GENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength(7,8) Reinforced Insulation Operational Insulation Power Good Signal(11) Remote Sense (singles only)(9) Mean-Time Between Failures Weight Electrostatic Discharge Electrical Fast Transients/Bursts Surge Immunity MAXIMUM OUTPUT 110 100 90 FORCE	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB 0.65 Lbs. Open Frame 1.15 Lbs. Chassis and Cover VCSPECIFICATIONS EN61000-4-2 ±8KV contact/±15KV air discharge A EN61000-4-4 ±2KV, 5KHz/100KHz POWER vs. AMBIENT TEMPERATURE A
GENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength(7,8) Reinforced Insulation Operational Insulation Power Good Signal(11) Remote Sense (singles only)(9) Mean-Time Between Failures Weight Electrostatic Discharge Electrical Fast Transients/Bursts Surge Immunity MAXIMUM OUTPUT 110 100 90 FORCE	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground 707 VDC, Secondary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB 0.65 Lbs. Open Frame 1.15 Lbs. Chassis and Cover MC SPECIFICATIONS EN61000-4-2 ±8KV contact/±15KV air discharge A EN61000-4-4 ±2KV, 5KHz/100KHz A EN61000-4-5 ±2KV line to earth/±1KV line to line POWER vs. AMBIENT TEMPERATURE
GENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength(7,8) Reinforced Insulation Operational Insulation Power Good Signal(11) Remote Sense (singles only)(9) Mean-Time Between Failures Weight Electrostatic Discharge Electrical Fast Transients/Bursts Surge Immunity MAXIMUM OUTPUT 110 100 90 FORCE	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground Tor VDC, Secondary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB 0.65 Lbs. Open Frame 1.15 Lbs. Chassis and Cover VC SPECIFICATIONS EN61000-4-2 ±8KV contact/ ±15KV air discharge A EN61000-4-5 ±2KV line to earth/ ±1KV line to line POWER vs. AMBIENT TEMPERATURE
GENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength(7,8) Reinforced Insulation Operational Insulation Power Good Signal(11) Remote Sense (singles only)(9) Mean-Time Between Failures Weight Electrostatic Discharge Electrical Fast Transients/Bursts Surge Immunity MAXIMUM OUTPUT 110 100 90 FORCE	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground Tor VDC, Secondary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB 0.65 Lbs. Open Frame 1.15 Lbs. Chassis and Cover VC SPECIFICATIONS EN61000-4-2 ±8KV contact/ ±15KV air discharge A EN61000-4-5 ±2KV line to earth/ ±1KV line to line POWER vs. AMBIENT TEMPERATURE
GENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength(7,8) Reinforced Insulation Operational Insulation Power Good Signal(11) Remote Sense (singles only)(9) Mean-Time Between Failures Weight Electrostatic Discharge Electrical Fast Transients/Bursts Surge Immunity MAXIMUM OUTPUT 110 100 90 FORCE	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB 0.65 Lbs. Open Frame 1.15 Lbs. Chassis and Cover MC SPECIFICATIONS EN61000-4-2 ±8KV contact/±15KV air discharge A EN61000-4-3 ±2KV, 5KHz/100KHz A EN61000-4-5 ±2KV line to earth/±1KV line to line A POWER vs. AMBIENT TEMPERATURE
GENI Means of Protection Primary to Secondary Primary to Ground Secondary to Ground Dielectric Strength _(7,8) Reinforced Insulation Operational Insulation Power Good Signal ₍₁₁₎ Remote Sense (singles only) ₍₉₎ Mean-Time Between Failures Weight Electrostatic Discharge Electrical Fast Transients/Bursts Surge Immunity MAXIMUM OUTPUT	2MOOP (Means of Operator Protection) 1MOOP (Means of Operator Protection) Operational Insulation(Consult factory for 1MOPP) 4242 VDC, Primary to Secondary 2121 VDC, Primary to Ground Tor VDC, Secondary to Ground Logic high with input voltage above Vin min. 250mV compensation of output cable losses 100,000 Hours min., MIL-HDBK-217F, 25° C, GB 0.65 Lbs. Open Frame 1.15 Lbs. Chassis and Cover VC SPECIFICATIONS EN61000-4-2 ±8KV contact/±15KV air discharge A EN61000-4-5 ±2KV line to earth/±1KV line to line POWER vs. AMBIENT TEMPERATURE

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

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Ambient Temperature (C)

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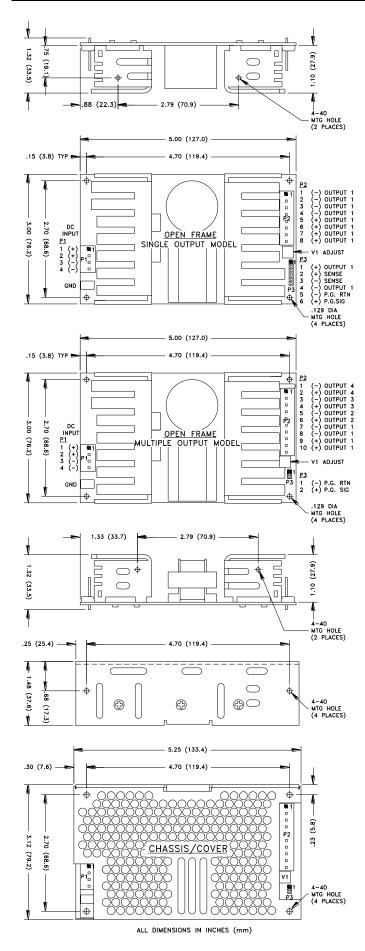
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DC4-110 SERIES MECHANICAL SPECIFICATIONS



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.
- 5. A minimum load of 10% is required on Output 1 to ensure proper regulation of remaining outputs.
- 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.
- 7. 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 60601-11 st 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.
- 11. Power Good feature provides a logic-high signal from an open collector transistor when DC input reaches minimum operating voltage.
- 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.
- 14. Total Power must not exceed 110W with 300LFM forced-air cooling on open-frame models.
- 15. 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.
- 17. Rated 8A maximum with convection cooling.
- 18. Rated 16A maximum with convection cooling.
- 19. Total current from Outputs 3 & 4 must not exceed 3A with convection cooling.
- 20. Total current from Outputs 1 & 2 must not exceed 12A with convection cooling.

CONNECTOR SPECIFICATIONS

P1	DC Input	0.156 friction lock header mates with Tyco 640250-4 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.G./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.G. (Multiple)	0.100 breakaway header mates with Molex 50-57-9002 or equivalent crimp terminal housing with Molex type 71851 or equivalent crimp terminal.

