IEC IECEE CB SCHEME

Ref. Certif. No.

DE 3 - ITAV383

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Audio/Video, Information and Communication technology equipment Power Supply
Name and address of the applicant	**Integrated Power Designs, Inc.** **Hanover Industrial Estates** 300 Stewart Road Wilkes-Barre PA 18706 USA
Name and address of the manufacturer	Integrated Power Designs, Inc. Hanover Industrial Estates 300 Stewart Road, Wilkes-Barre PA 18706, USA
Name and address of the factory	Integrated Power Designs, Inc. Hanover Industrial Estates 300 Stewart Road, Wilkes-Barre PA 18706, USA
Ratings and principal characteristics	Rated Input Voltage: 100-240 V AC Rated Frequency: 50/60 Hz Rated Input Current: 2.0, 2.0, 3.0, 4.0, 5.0, 8.0; 2.5 A Rated Output Power: see page 2-4 Protection Class: I Degree of Protection: IPX0 IP30 (ELS-120 series only)
Trade mark (if any)	IPD
Customer's Testing Facility (CTF) Stage used	CTF STAGE 3
Model/type Ref.	**GRN Series** (GRN-45, GRN-60, GRN-80, GRN-110, GRN-200, GRN-360); **ELS-120 Series**
Additional information (if necessary)	Certificate DE 3 - ITAV090 issued 2019-01-28 aced by this version due to technical changes
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2014
as shown in the Test Report Ref. No. which forms part of this certificate	72158291-000

This CB Test Certificate is issued by the National Certification Body

CB 030824 0351 Rev. 02
Date, 2020-04-17

(William J. Stinson)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

TÜV SÜD Product Service

Model Number	Transformer (600XXXX)	Output 1	Output 2	Output 3	Output 4
GRN-45-4001	0941	+3.3V/5A	+5V/5A	+12V/1A	-12V/1A
GRN-45-4002	0942	+5V/5A	-5V/5A	+12V/1A	-12V/1A
GRN-45-4003	0943	+5V/5A	+24V/1A	+12V/1A	-12V/1A
GRN-45-4004	0944	+5V/5A	+24V/1A	+15V/1A	-15V/1A
GRN-45-3001	0945	+5V/5A	-	+12V/1A	-12V/1A
GRN-45-3002	0946	+5V/5A	-	+15V/1A	-15V/1A
GRN-45-2001	0947	+5V/5A	+24V/1A	-	-
GRN-45-2002	0948	+5V/5A	+12V/2A	-	-
GRN-45-2003	0949	+12V/2A	-12V/2A	-	-
GRN-45-2004	0950	+15V/2A	-15V/2A	-	-
GRN-60-1001	1036	3.3V/9A	-	-	-
GRN-60-1002	1037	5V/9A	-	-	-
GRN-60-1003	1038	12V/5A	-	-	-
GRN-60-1004	1039	15V/4A	-	-	-
GRN-60-1005	1040	24V/2.5A	-	-	-
GRN-60-1006	1041	28V/2.2A	-	-	-
GRN-60-1007	1042	48V/1.3A	-	-	-
GRN-60-1008	1055	19V/3.1A	-	-	-
GRN-80-4001	1010	+3.3V/8A	+5V/5A	+12V/1.5A	-12V/1.5A
GRN-80-4002	1011	+5V/8A	-5V/5A	+12V/1.5A	-12V/1.5A
GRN-80-4003	1012	+5V/8A	+24V/1A	+12V/1.5A	-12V/1.5A
GRN-80-4004	1013	+5V/8A	+24V/1A	+15V/1.5A	-15V/1.5A
GRN-80-4005	1053	+3.5V/3.5A	+5.25V/1A	+18V/1.5A	-18V/1.5A
GRN-80-3001	1014	+5V/8A	-	+12V/2A	-12V/2A
GRN-80-3002	1015	+5V/8A	-	+15V/2A	-15V/2A
GRN-80-2001	1016	+5V/8A	+24V/2A	-	-
GRN-80-2002	1017	+5V/8A	+12V/4A	-	-
GRN-80-2003	1018	+12V/4A	-12V/4A	-	-
GRN-80-2004	1019	+15V/3A	-15V/3A	-	-
GRN-80-1001	0954	3.3V/16A(3)	-	-	-
GRN-80-1002	0955	5V/16A(3)	-	-	-
GRN-80-1003	0956	12V/6.7A(3)	-	-	-

GRN-80-1004	0957	15V/5.3A(3)	-	-	-
GRN-80-1005	0958	24V/3.3A(3)	-	-	-
GRN-80-1006	0959	28V/2.9A(3)	-	-	-
GRN-80-1007	0960	48V/1.7A(3)	-	-	-
GRN-80-1008	1144	8V/10A(3)	-	-	-
GRN-110-4001(4)	0931	+3.3V/10A	+5V/5A	+12V/2A	-12V/2A
GRN-110-4002(4)	0932	+5V/10A	-5V/5A	+12V/2A	-12V/2A
GRN-110-4003(4)	0933	+5V/10A	+24V/2A	+12V/2A	-12V/2A
GRN-110-4004(4)	0934	+5V/10A	+24V/2A	+15V/2A	-15V/2A
GRN-110-3001(4)	0935	+5V/12A	-	+12V/3A	-12V/3A
GRN-110-3002(4)	0936	+5V/12A	-	+15V/3A	-15V/3A
GRN-110-2001(4)	0937	+5V/12A	+24V/3A	-	-
GRN-110-2002(4)	0938	+5V/12A	+12V/5A	-	-
GRN-110-2003(4)	0939	+12V/5A	-12V/5A	-	-
GRN-110-2004(4)	0940	+15V/4A	-15V/4A	-	-
GRN-110-1001(4)	1046	3.3V/22A	-	-	-
GRN-110-1002(4)	1047	5V/22A	-	-	-
GRN-110-1003(4)	1048	12V/9.2A	-	-	-
GRN-110-1004(4)	1049	15V/7.3A	-	-	-
GRN-110-1005(4)	1050	24V/4.6A	-	-	-
GRN-110-1006(4)	1051	28V/3.9A	-	-	-
GRN-110-1007(4)	1052	48V/2.3A	-	-	-
GRN-200-4001	1076	+3.3V/30A(5)	+5V/8A(8)	+12V/2A(12)	-12V/2A(12)
GRN-200-4002	1077	+5V/30A(5)	+3.3V/8A(8)	+12V/2A(12)	-12V/2A(12)
GRN-200-4003	1078	+5V/30A(5)	+24V/3A(11)	+12V/2A(12)	-12V/2A(12)
GRN-200-4004	1079	+5V/30A(5)	+24V/3A(11)	+15V/2A(12)	-15V/2A(12)
GRN-200-3001	1080	+5V/30A(5)	+12V/6A(9)	-	-12V/2A(12)
GRN-200-3002	1081	+5V/30A(5)	+15V/5A(10)	-	-15V/2A(12)
GRN-200-3003	1086	+5V/30A(5)	-	+24V/1.5A	-24V/1.5A
GRN-200-2001	1082	+5V/30A(5)	+24V/3A(11)	-	-
GRN-200-2002	1083	+5V/30A(5)	+12V/6A(9)	-	-
GRN-200-2003	1084	+12V/12A(6)	-12V/6A(9)	-	-
GRN-200-2004	1085	+15V/10A(7)	-15V/5A(10)	-	-
ELS-120-3001	1120	+5V/12A	+24V/3A	-12V/1A	-
ELS-120-3002	1121	+5V/12A	+24V/3A	-15V/1A	-
ELS-120-3003	1122	+5V/12A	+12V/3A	-12V/2A	-

ELS-120-3004	1123	+5V/12A	+15V/2A	-15V/2A	-
ELS-120-3005	1124	+5V/12A	+24V/3A	-24V/1A	-
ELS-120-3006	1125	+12V/7A	+24V/1A	-5V/2A	-
ELS-120-3007	1126	+24V/4A	+5V/2A	-12V/1A	-
ELS-120-3008	1127	+24V/4A	+5V/2A	-15V/1A	-
ELS-120-2001	1128	+5V/12A	+12V/5A	-	-
ELS-120-2002	1129	+5V/12A	+15V/4A	-	-
ELS-120-2003	1130	+5V/12A	+24V/3A	-	-
ELS-120-2004	1131	+12V/9A	+5V/3A	-	-
ELS-120-2005	1132	+12V/8A	-12V/2A	-	-
ELS-120-2006	1133	+12V/8A	+15V/2A	-	-
ELS-120-2007	1134	+12V/8A	+24V/1A	-	-
ELS-120-2008	1135	+15V/8A	-15V/2A	-	-
ELS-120-2009	1136	+24V/4A	+12V/2A	-	-
ELS-120-2010	1137	+24V/4A	+15V/2A	-	-
ELS-120-1001	1140	12V/12.5A	-	-	-
ELS-120-1002	1141	15V/10.0A	-	-	-
ELS-120-1003	1142	24V/6.3A	-	-	-
GRN-360-1001(13)	1087	12V/30A	-	-	-
GRN-360-1002(13)	1088	15V/24A	-	-	-
GRN-360-1003(13)	1089	18V/20A	-	-	-
GRN-360-1004(13)	1090	24V/15A	-	-	-
GRN-360-1005(13)	1147	36V/10A	-	-	-
GRN-360-1006(13)	1148	48V/7.5A	-	-	-
GRN-360-1007(13)	1149	56V/6.4A	-	-	-

Notes:

1. Outputs may be positive, negative or floating.
2. Each output can deliver it's rated current but total continuous output power must not exceed:
   GRN-45 Series: 45 watts
   GRN-60 Series: 60 watts
   GRN-80 Series: 80 watts
   GRN-110 Series: 110 watts
   GRN-200 Series: 200 watts
   ELS-120 Series (Multi Outputs): 120 Watts
   ELS-120 Series (Single Outputs): 150 Watts
   GRN-360 Series: 360 Watts
3. Derate load current 10% with chassis/cover option, 72 Watts maximum, GRN-80-1XXX models only.
4. Derate total continuous output power 10% with chassis/cover option, 99 Watts maximum, GRN-110 Series.
5. Rated 20A maximum with convection cooling.

6. Rated 8A maximum with convection cooling.
7. Rated 7A maximum with convection cooling.
8. Rated 6A maximum with convection cooling.
9. Rated 5A maximum with convection cooling.
10. Rated 4A maximum with convection cooling.
11. Rated 2A maximum with convection cooling.
12. Rated 1.5A maximum with convection cooling.
13. GRN-360 maximum rated output power:

Configuration	90-180VAC Input		180-264VAC Input	
	300LFM FA Cooling	Convection Cooling	300LFM FA Cooling	Convection Cooling
Open Frame	360W	180W	360W	250W
Chassis	360W	200W	360W	250W
Chassis/Cover	330W	180W	330W	225W

14. Model Number may be followed by the suffix(s):
CH - chassis
CO – cover
OVP- Over Voltage Protection
I/O-Isolated Outputs
BF- Type BF (secondary to ground capacitors Y1, Y2 or removed)
WT - wide temperature
TS - terminal strips
TB - terminal blocks
GOLD - gold pins input / output headers
Y or NY - decreased, or removed, line to ground capacitors
DF – Dual Fuse (Fuse included in Line and Neutral Inputs) – GRN-60 Series Only
IEC – High Breaking Capacity Fuse – GRN-60 Only
FN – Alternate Fan Enclosure (GRN-200 Only)

Additional application considerations – (Considerations used to test a component or sub-assembly) –

1. These components have been judged on the basis of the required spacings in the Standard for Safety of Information Technology Equipment, IEC/EN 62368-1, Second Edition.

2. These components have been evaluated for the output power ratings specified, convection cooled open-frame and in optional chassis and cover, at a 50°C ambient. The temperature tests are to be repeated in the end product. The isolation transformer employs a Class B (130°C) electrical insulation system except for the GRN-360 Series which employ a Class F (155°C) electrical insulation system.

3. The ELS-120 with plastic enclosure has been evaluated for the output power ratings specified, convection cooled at a 50°C ambient.

4. These components have been evaluated as Class I equipment for use in pollution degree 2 environments.

5. The supply terminal grounding connector is connected to the chassis through a land on the printed wiring board. An Earthing Test between the chassis and input ground terminal was successfully performed at 40A and must be performed in the end product.

6. The input circuit includes only one fuse in the line input, GRN-45, 80 and 110 Series only. GRN-60 Series includes a UL listed fuse in the line input and an optional fuse in the neutral input, (DF suffix). The need for high breaking capacity fuse(s), IEC suffix, to be determined by end product application. The GRN-200, GRN-360 and ELS-120 include a fuse in the line and neutral inputs.

7. These components require Electrical and Fire enclosures as part of the end product, GRN-45, 60, 80, 110, and 360 Series only.

8. These power supplies utilize both input and output connectors. The input and output connectors are not acceptable for field connections and are only intended for connection to mating connectors of internal wiring inside the end-use machine. The acceptability of these mating connectors relative to secureness, insulating materials and temperatures should be considered.

   However, the units that utilize terminal blocks are acceptable for field wiring. These terminal blocks accept 16-30 AWG wire.

9. These components provide reinforced insulation between the primary and secondary circuits. All outputs are ES1.

10. Touch Currents and/or Leakage Currents must be performed in the end product.

11. Care must be taken to insure the voltage applied to a reinforced insulation does not overstress basic insulation. Breakdown of basic insulation and catastrophic failure of the power supply may result if a test voltage of greater than 1800 VAC is applied between primary and secondary circuits. Each isolating component is factory tested at 4000 VAC minimum prior to installation.

Ref. Certif. No.

DE 3 - 41782

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	General Medical Devices Switch Mode Power Supply Series
Name and address of the applicant	**Integrated Power Designs, Inc.** **Hanover Industrial Estates** 300 Stewart Road Wilkes-Barre PA 18706 USA
Name and address of the manufacturer	Integrated Power Designs, Inc. Hanover Industrial Estates 300 Stewart Road, Wilkes-Barre PA 18706, USA
Name and address of the factory	Integrated Power Designs, Inc. Hanover Industrial Estates 300 Stewart Road, Wilkes-Barre PA 18706, USA
Ratings and principal characteristics	Rated Input Voltage: 100-240 V Rataed Input Frequency: 50-60 Hz Rated Input Current: GRN-45, GRN-60: 2A GRN-80: 3A GRN-110: 4A GRN-200: 5A GRN-360: 8A Protection Class: I
Customer's Testing Facility (CTF) Stage used	CTF STAGE 3
Model/type Ref.	GRN Series GRN-45, GRN-60, GRN-80, GRN-110, GRN-200, GRN-360
Additional information (if necessary)	CBTL - excludes biocompatibility (clause 11.7) and EMC (Clause 17)
A sample of the product was tested and found to be in conformity with	IEC 60601-1:2005 IEC 60601-1:2005/AMD1:2012 IEC 60601-1:2005/AMD2:2020
as shown in the Test Report Ref. No. which forms part of this certificate	7169013677-000

This CB Test Certificate is issued by the National Certification Body

CB 030824 0385 Rev. 00

Date, 2024-02-14

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IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

Ratings and principal characteristics (continued)

Output Ratings					
Model	**Output 1**	**Output 2**	**Output 3**	**Output 4**	**Transformer (600XXXX)**
GRN-45-4001	+3.3Vdc/5A	+5Vdc/5A	+12Vdc/1A	-12Vdc/1A	0941
GRN-45-4002	+5Vdc/5A	-5Vdc/5A	+12Vdc/1A	-12Vdc/1A	0942
GRN-45-4003	+5Vdc/5A	+24Vdc/1A	+12Vdc/1A	-12Vdc/1A	0943
GRN-45-4004	+5Vdc/5A	+24Vdc/1A	+15Vdc/1A	-15Vdc/1A	0944
GRN-45-3001	+5Vdc/5A	-	+12Vdc/1A	-12Vdc/1A	0945
GRN-45-3002	+5Vdc/5A	-	+15Vdc/1A	-15Vdc/1A	0946
GRN-45-2001	+5Vdc/5A	+24Vdc/1A	-	-	0947
GRN-45-2002	+5Vdc/5A	+12Vdc/2A	-	-	0948
GRN-45-2003	+12Vdc/2A	-12Vdc/2A	-	-	0949
GRN-45-2004	+15Vdc/2A	-15Vdc/2A	-	-	0950
GRN-60-1001	3.3Vdc/9A	-	-	-	1036
GRN-60-1002	5Vdc/9A	-	-	-	1037
GRN-60-1003	12Vdc/5A	-	-	-	1038
GRN-60-1004	15Vdc/4A	-	-	-	1039
GRN-60-1005	24Vdc/2.5A	-	-	-	1040
GRN-60-1006	28Vdc/2.2A	-	-	-	1041
GRN-60-1007	48Vdc/1.3A	-	-	-	1042
GRN-60-1008	19Vdc/3.1A	-	-	-	1055
GRN-80-4001	+3.3Vdc/10A	+5Vdc/5A	+12Vdc/1.5A	-12Vdc/1.5A	1010
GRN-80-4002	+5Vdc/8A	-5Vdc/5A	+12Vdc/1.5A	-12Vdc/1.5A	1011
GRN-80-4003	+5Vdc/8A	+24Vdc/1A	+12Vdc/1.5A	-12Vdc/1.5A	1012
GRN-80-4004	+5Vdc/8A	+24Vdc/1A	+15Vdc/1.5A	-15Vdc/1.5A	1013
GRN-80-4005	+3.5V/3.5A	+5.25V/1A	+18V/1.5A	-18V/1.5A	1053

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GRN-80-3001	+5Vdc/8A	-	+12Vdc/2A	-12Vdc/2A	1014
GRN-80-3002	+5Vdc/8A	-	+15Vdc/2A	-15Vdc/2A	1015
GRN-80-2001	+5Vdc/8A	+24Vdc/2A	-	-	1016
GRN-80-2002	+5Vdc/8A	+12Vdc/4A	-	-	1017
GRN-80-2003	+12Vdc/4A	-12Vdc/4A	-	-	1018
GRN-80-2004	+15Vdc/3A	-15Vdc/3A	-	-	1019
GRN-80-1001	3.3Vdc/16A(2)	-	-	-	0954
GRN-80-1002	5Vdc/16A(2)	-	-	-	0955
GRN-80-1003	12Vdc/6.7A(2)	-	-	-	0956
GRN-80-1004	15Vdc/5.3A(2)	-	-	-	0957
GRN-80-1005	24Vdc/3.3A(2)	-	-	-	0958
GRN-80-1006	28Vdc/2.9A(2)	-	-	-	0959
GRN-80-1007	48Vdc/1.7A(2)	-	-	-	0960
GRN-80-1008	8Vdc/10A(2)	-	-	-	1144
GRN-110-4001(5)	+3.3Vdc/10A	+5Vdc/5A	+12Vdc/2A	-12Vdc/2A	0931
GRN-110-4002(5)	+5Vdc/10A	-5Vdc/5A	+12Vdc/2A	-12Vdc/2A	0932
GRN-110-4003(5)	+5Vdc/10A	+24Vdc/2A	+12Vdc/2A	-12Vdc/2A	0933
GRN-110-4004(5)	+5Vdc/10A	+24Vdc/2A	+15Vdc/2A	-15Vdc/2A	0934
GRN-110-3001(5)	+5Vdc/12A	-	+12Vdc/3A	-12Vdc/3A	0935
GRN-110-3002(5)	+5Vdc/12A	-	+15Vdc/3A	-15Vdc/3A	0936
GRN-110-2001(5)	+5Vdc/12A	+24Vdc/3A	-	-	0937
GRN-110-2002(5)	+5Vdc/12A	+12Vdc/5A	-	-	0938
GRN-110-2003(5)	+12Vdc/5A	-12Vdc/5A	-	-	0939
GRN-110-2004(5)	+15Vdc/4A	-15Vdc/4A	-	-	0940

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GRN-110-1001(5)	3.3Vdc/22A	-	-	-	1046
GRN-110-1002(5)	5Vdc/22A	-	-	-	1047
GRN-110-1003(5)	12Vdc/9.2A	-	-	-	1048
GRN-110-1004(5)	15Vdc/7.3A	-	-	-	1049
GRN-110-1005(5)	24Vdc/4.6A	-	-	-	1050
GRN-110-1006(5)	28Vdc/3.9A	-	-	-	1051
GRN-110-1007(5)	48Vdc/2.3A	-	-	-	1052

Notes (Apply to all GRN-45, 60, 80 and 110 models, except if specifically noted otherwise.):

1. Outputs may be positive, negative or floating.
2. Derate load current 10% with chassis/cover option, 72 Watts maximum (GRN-80-1XXX only).
3. Each output can deliver it's rated current but total continuous output power must not exceed 45 Watts for the GRN-45 Series and 80 Watts for the GRN-80 Series and 110 Watts for the GRN-110 Series.
4. Model number may be followed by the following suffixes: DF- dual fuses, CH-chassis, CO-Cover, OVP- Over Voltage Protection, I/O or IO- Isolated Outputs, WT- wide temperature, TS-terminal strips, TB- terminal blocks, GOLD-gold pins input / output headers, Y or NY-decreased, or removed, line to ground capacitors, IEC – High Breaking Capacity Fuse – GRN-60 Only. O, P - for different configurations of secondary to ground capacitors, for different levels of MOPP and MOOP. See Conditions of Acceptability for details.
5. Derate total continuous output power 10% with chassis/cover option, 99 Watts maximum, GRN-110 Series, single outputs.

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Output Ratings					
Model	**Output 1**	**Output 2**	**Output 3**	**Output 4**	**Transformer (600XXXX)**
GRN-200-4001	+3.3V/30A(3)	+5V/8A(6)	+12V/2A(10)	-12V/2A(10)	1076
GRN-200-4002	+5V/30A(3)	+3.3V/8A(6)	+12V/2A(10)	-12V/2A(10)	1077
GRN-200-4003	+5V/30A(3)	+24V/3A(9)	+12V/2A(10)	-12V/2A(10)	1078
GRN-200-4004	+5V/30A(3)	+24V/3A(9)	+15V/2A(10)	-15V/2A(10)	1079
GRN-200-4005	+24V/6A	+5V/8A(6)	+12V/2A(10)	-12V/2A(10)	1098
GRN-200-3001	+5V/30A(3)	+12V/6A(7)	-	-12V/2A(10)	1080
GRN-200-3002	+5V/30A(3)	+15V/5A(8)	-	-15V/2A(10)	1081
GRN-200-3003	+5V/30A(3)	-	+24V/1.5A	-24V/1.5A	1086
GRN-200-2001	+5V/30A(3)	+24V/3A(9)	-	-	1082
GRN-200-2002	+5V/30A(3)	+12V/6A(7)	-	-	1083
GRN-200-2003	+12V/12A(4)	-12V/6A(7)	-	-	1084
GRN-200-2004	+15V/10A(5)	-15V/5A(8)	-	-	1085

Notes:

1. Outputs may be positive, negative or floating.
2. Total output power must not exceed:
   200W with 300LFM forced air cooling, open frame
   180W with 300LFM forced air cooling in optional chassis/cover
   135W free air convection cooling, open frame
   122W free air convection cooling, in optional chassis/cover
3. Rated 20A maximum with convection cooling.
4. Rated 8A maximum with convection cooling.
5. Rated 7A maximum with convection cooling.
6. Rated 6A maximum with convection cooling.
7. Rated 5A maximum with convection cooling.

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8. Rated 4A maximum with convection cooling.
9. Rated 2A maximum with convection cooling.
10. Rated 1.5A maximum with convection cooling.
11. Model Number may be followed by the suffix(s):
    CH - chassis
    CO - cover
    I/O-Isolated Outputs
    BF- Type BF (secondary to ground capacitors Y1, Y2 or removed)
    WT - wide temperature
    TS - terminal strips
    TB - terminal blocks
    GOLD - gold pins input / output headers
    Y or NY - decreased, or removed, line to ground capacitors
    FN Suffix – Alternate Cover with cooling fan (GRN-200 only)

Output Ratings

Model	Output 1	Output 2	Output 3	Output 4	Transformer (600XXXX)
GRN-360-1001	12V/30A	-	-	-	1087
GRN-360-1002	15V/24A	-	-	-	1088
GRN-360-1003	18V/20A	-	-	-	1089
GRN-360-1004	24V/15A	-	-	-	1090
GRN-360-1005	36V/10A	-	-	-	1147
GRN-360-1006	48V/7.5A	-	-	-	1148
GRN-360-1007	56V/6.4A	-	-	-	1149

Notes:
1. Outputs may be positive, negative or floating.
2. Total output power must not exceed:

Configuration	90-180VAC Input			180-264VAC Input		
	300LFM	FA	Convection	300LFM	FA	Convection

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	Cooling	Cooling	Cooling	Cooling
Open Frame	360W	180W	360W	250W
Chassis	360W	200W	360W	250W
Chassis/Cover	330W	180W	330W	225W

3. Model Number may be followed by the suffix(s):
   CH - chassis
   CO - cover
   WT - wide temperature
   TS - terminal strips
   TB - terminal blocks
   GOLD - gold pins input / output headers
   Y or NY - decreased, or removed, line to ground capacitors
   A – 5000m altitude (60601-1)

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