

Delivering leading edge, innovative power solutions for more than 30 years....

Model:GTM91120-30VV-T2

April 29, 2024

GTM91120-30VV-T2

Information

Model Number

GTM91120-30VV-T2

Description

GTM91120-30VV-T2, Medical/ICT/ITE/Household use Power Supply, 60601-1-4th Ed. , Wall Plug-in+Desktop Combination, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C8 AC Inlet connector, Output Rating: 30 Watts, Power rating with convection cooling (W) , 5-48V in 0.1V increments, Approvals: S-Mark IEC/EN 60601-1; SIQ 61558; EAC; UKCA; Conforms to 62368-1; cUL 60950; LPS 60950; CB EN/IEC 60335-1; RoHS; Level V; CE; China RoHS; LPS 62368; PSE; WEEE; Double Insulation; VCCI; Ukraine; FCC; SIQ; Book 60601; Fuse 60335; CB 60601-1; CB 60950; IEC 60335; IEC/EN60601-1; IEC/EN60950-1; CCC; cRUus; CE; RCM; S-Mark 60950; CE; ETL; CB 60335; PSE; PSE; PSE; PSE; S-Mark 62368; 61558-1; IEC 61558-1; Fuse 60335; IP40; IP52; Ta:40°C;

Model Picture



Agency Documents

<http://www.globtek.info/certs/GTM91120-T2%20-T3A%20-FW/>

CE EC-Declaration

https://www.globtek.com/pdf/ec_declaration/a0Oa000000C2VkdEAF

RoHS/RoHS2 Declaration

https://www.globtek.com/pdf/rohs_cert/a0Oa000000C2VkdEAF

REACH Declaration

https://www.globtek.com/pdf/iso_certificates/REACH.pdf

Conflict Minerals Declaration

<https://www.globtek.com/pdf/conflict-minerals.pdf>

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MODEL PARAMETERS

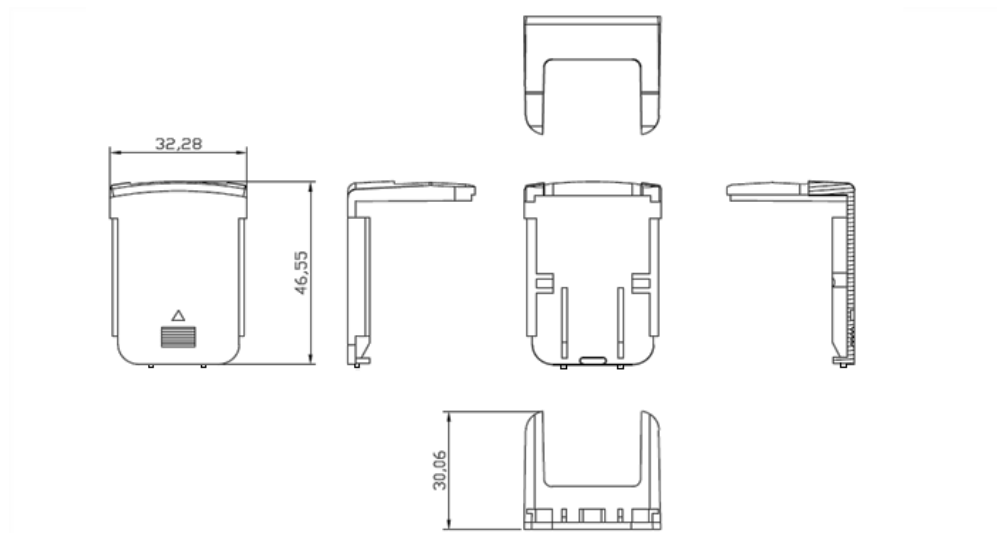
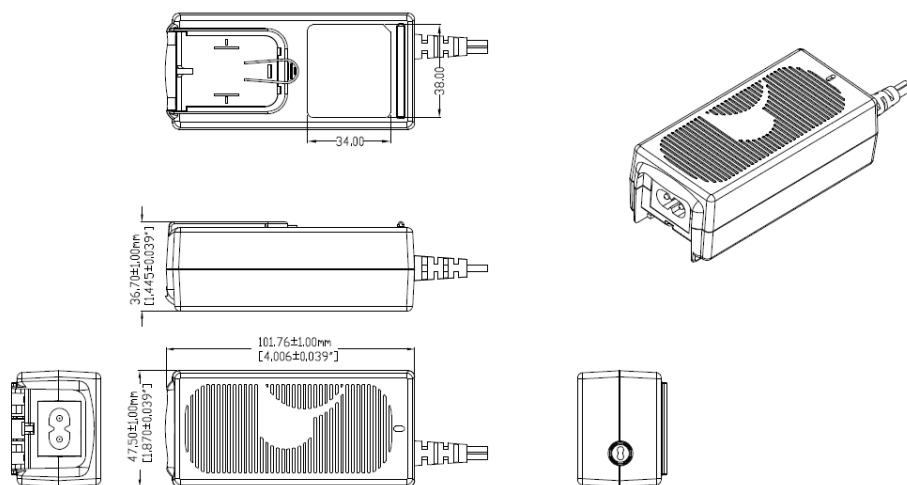
Type	Wall Plug-in+Desktop Combination
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	Medical/ICT/ITE/Household use Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1.5A
Wattage (W)	30.0
Vout Range (V)	5-48
Efficiency Level	V
Ingress Protection	IP40 (cord), IP52(R-blades)
Size (mm)	(L)101.77x(W)47.47x(H)36.7

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ENCLOSURE



Units shipped without an installed input plug have a "desktop insert" installed.

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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTM91120-1007.5-2.5-T2	5 V	2	10.00	RFQ
GTM91120-2007.5-2.5-T2	5 V	4	20.00	RFQ
GTM91120-3007.5-1.5-T2	6 V	3.75	22.50	RFQ
GTM91120-3007.5-T2	7.5 V	3	22.50	RFQ
GTM91120-2510.5-1.5-T2	9 V	2.8	25.20	RFQ
GTM91120-3010.5-1.5-T2	9 V	2.77	24.93	RFQ
GTM91120-3010.5-1.4-T2	9.1 V	3.3	30.03	RFQ
GTM91120-3010.5-1.2-T2	9.3 V	3.2	29.76	RFQ
GTM91120-2510.5-0.9-T2	9.6 V	2.6	24.96	RFQ
GTM91120-1214.5-2.5-T2	12 V	1	12.00	RFQ
GTM91120-3014.5-2.5-T2	12 V	2.5	30.00	RFQ
GTM91120-1714.5-1.5-T2	13 V	1.3	16.90	RFQ
GTM91120-3019.5-4.5-T2	15 V	2	30.00	RFQ
GTM91120-3019.5-1.5-T2	18 V	1.66	29.88	RFQ
GTM91120-3019.5-0.5-T2	19 V	1.57	29.83	RFQ
GTM91120-3024-T2	24 V	1.25	30.00	RFQ
GTM91120-2736-9.0-T2	27 V	1	27.00	RFQ
GTM91120-3036-6.0-T2	30 V	1	30.00	RFQ
GTM91120-3036-T2	36 V	0.83	29.88	RFQ
GTM91120-3048-T2	48 V	0.625	30.00	RFQ

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

1. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
2. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
3. Output Regulation: +/- 5% measured at the output connector
4. Line Voltage Regulation: +/- 2% typical measured at full load
5. Output Ripple (Vp-p): +/-2% maximum, measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with 10 uf electrolytic capacitor connected at the end of the output connector
Optional low ripple option available (RFP4579)
6. Turn-ON/OFF Overshoot: 5% maximum, 500uS typical recovery time for 25% to 50% step load
7. Turn-ON Delay: 3 Seconds, maximum @ full load, nominal line
8. Hold-Up Time: 8 mS typical @ nominal input voltage and full load
9. Inrush Current: 60A maximum cold start @ 240Vac input
10. Switching Frequency: 100 KHz typical

B) PROTECTION

1. Over-Voltage: Protected with a Zener diode clamp across the output
2. Short Circuit: Hiccup with auto recovery
3. Over-load: Hiccup with auto recovery
4. Input Protection: Input line and neutral fusing

C) SAFETY

1. Dielectric Withstand Voltage: 5656Vdc from primary to secondary
2. Earth Leakage Current: N/A for Class II units, there is no PE Ground pin, so Earth Leakage current is not measured
3. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)

D) OTHER:

1. MTBF: 200,000 Hours @ 25°C ambient temperature
2. Operating Temperature: 0°C to 40°C ambient temperature
3. Humidity: 0% to 90% relative humidity
4. Storage Temperature: -40°C to 80°C "24h recovery time at room temperature".
5. Cooling: Convection
6. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

E) ENCLOSURE

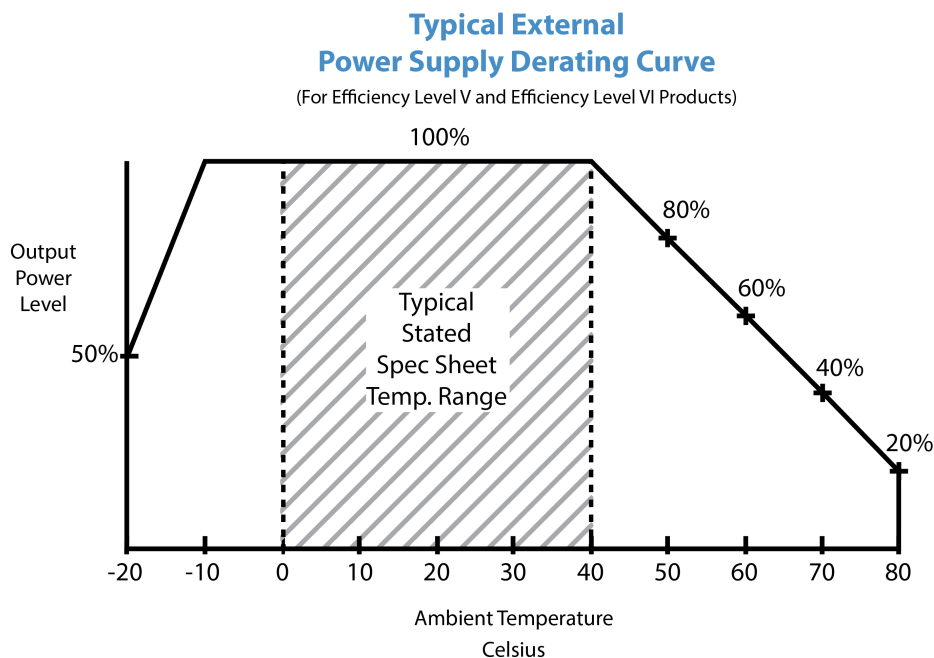
1. Housing: High impact plastic, 94V0 polycarbonate, non-vented
2. Size: (L)101.73 x (W)46.47 x (H)38.2 +/-1.0 mm
3. Markings: Label and/or Pad Printed and/or Molded in the case
4. LED: Standard GREEN color to indicate power out

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DERATING CURVE

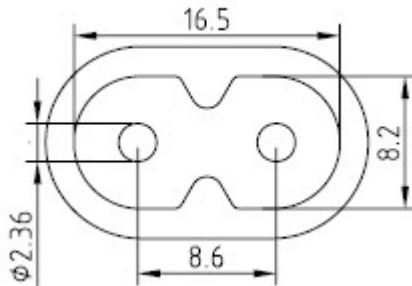


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INPUT CONFIGURATION

Description IEC 60320/C8 AC Inlet connector

[Blade Insertion Instructions](#)
[R-Blade Style Instruction Video](#)


Mates with IEC 60320/C8 Plug

This series of Interchangeable Blade products may be used with Proprietary Interchangeable Blades as described below or with standard international power cords.

Optional INPUT BLADES: R-Socket: below are available blades configurations which are "not included" (unless stated above); may be purchased separately, packaged with power supply, or as a separate "R-KIT" if specified

# Part Number	Main Country/Region	Plug	IECEE Type
1 R-NA-2(R)	North America, Japan	Nema 1-15P	Type A
2 R-SAA-2(R)	Australia/New Zealand	AS/NZ 3112	Type I
3 R-UK-2(R)	United Kingdom/Ireland	UK, Hong Kong, Singapore, Gulf States	Type G
4 R-EU-2(R)	Europe	CEE 7/16	Type C
5 R-CN-2(R)	China	GB 2099	Type A
6 461-03030003(R)	N/A	R-DI(R) Desktop Insert for use with a cord	N/A
7 R-KIT-2(R)	prepackaged kit	1,2,3,4 above	N/A
8 R-KIT-2-INTL(R)	prepackaged kit	2,3,4 above	N/A

PROPRIETARY INFORMATION

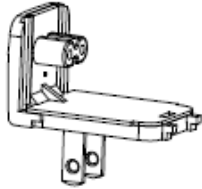
PROPRIETARY OF GLOBTEK, INC. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING, IN WHOLE OR IN PART, IS HEREBY PROHIBITED EXCEPT AS SPECIFIED IN WRITING BY GLOBTEK, INC.

<https://www.globtek.com/ds/6LYKbryoTSe/ygdg5LdKrlf.html>

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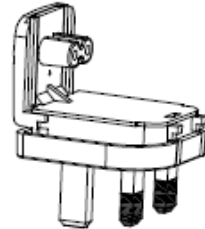
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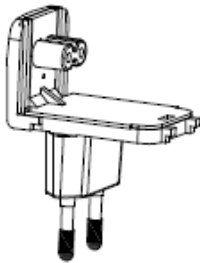
UL 2P

P/N: R-NA-2(R)
NORTH AMERICA
JAPAN


AUS 2P

P/N: R-SAA-2(R)
AUSTRALIA


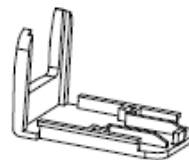
UK 2P

P/N: R-UK-2(R)
UNITED KINGDOM
HONG KONG
SINGAPORE


EU 2P

P/N: R-EU-2(R)
EUROPE
SOUTH AMERICA


CN 2P

P/N: R-CN-2(R)
CHINA


R-DI

P/N: R-DI
DESKTOP INSERT

Standard Cordsets

Below are standard cordsets which are "not included" (unless stated above); these may be purchased separately or packaged with the power supply. Contact your Sales Engineer if the style required is not shown below. Many more available in different lengths, colors or cable material.

Standard International IEC 320/C7 Cordsets

Part Number	Country	Plug	Connector	Length (mm)	Length (feet)
2094112M703(R)	Argentina (Type I)	IRAM 2063	IEC 320/C7	2000	7
5014112M703A(R)	Australian (Type I)	AS 3112	IEC 320/C7	2000	7

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207B4111M8703(R)	Brazil (Type N)	NBR14136	IEC 320/C7	1800	6
4533501M8703(R)	China (Type A)	GB 2099.1	IEC 320/C7	1830	6
2074112M703A(R)	European (Type C)	CEE 7/16	IEC 320/C7	2000	7
2084111M8703(R)	South Africa (Type M)	BS 546	IEC 320/C7	1800	6
2084111M8703B(R)	India (Type D)	ISI:1293	IEC 320/C7	1800	6
2714111M8703A(R)	India (Type C)	ISI:1293	IEC 320/C7	1800	6
451J3401M8703(R)	Japan (Type A)	JIS 8303	IEC 320/C7	1830	6
2044112M703A(R)	Korea (Type C)	KS C8305	IEC 320/C7	2000	7
4511116F703A(R)	N. American (Type A)	NEMA 1-15P	IEC 320/C7	1830	6
4033401M8703A(R)	Taiwan (Type A)	CNS690	IEC 320/C7	1830	6
6104112M703A(R)	UK, Hong Kong, Singapore, Gulf States (Type G)	BS1363	IEC 320/C7	2000	7

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OUTPUT CONFIGURATION

Common output connector options:



L Type (Coaxial
5.5x2.5mm plug)



C Type (Coaxial
5.5x2.1mm plug)



K Type (Coaxial
3.5x1.3mm plug)



LL Type (5.5x2.5mm
Locking 760k type)



CL Type (5.5x2.1mm
Locking S761k type)



ML2 Type (Molex
housing 43025-0200)



YL3 Type
(KPPX-3P)



YL4 Type (KPPX-4P)



EJ1/2/3/4/5 (EIAJ
RC-5320A type
connectors)



MSB Type (Micro
USB)



USBC Type (USB
Type C)



Inquire for custom
design

For a comprehensive list of options, [click here](#)

Contact GlobTek for your specific requirements or custom solutions.

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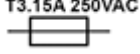
Approvals

Logo	Description
	Book 60335 up to 36 Volts
	60601-1 3rd Operating Instructions
No Logo Applicable	CB report IEC 60601-1: 2005 + CORR. 1 (2006) + CORR. 2 (2007) and or EN 60601-1:2006 3rd Edition including 2MOOP requirements
No Logo	CB Certificate IEC 60950-1:2005 (2nd Edition), Am 1: 2009, CB report IEC 60950-1:2005 (2nd Edition), Am 1: 2009 and EN 60950-1:2006 + Am 1:2010 + Am 11:2009 + Am 12:2011
No Logo Applicable	CB to 60335-1 5th Edition (Safety of Household and Similar Electrical Appliances, Part 1: General Requirements) CB Report/ Certificate IEC 60335-1:2010 Up to 36 volts only
	CCC to GB4943. 1-2011; GB9254-2008; GB17625. 1-2012 with Tropical and Altitude up to 5000 m approval.
No Logo Applicable	IEC 60335-1:2010 (Fifth Edition) incl. Corr. 1:2010 and Corr. 2:2011 + A1:2013
	CE Mark: tested to comply with EN 55032:2012+AC:2013, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55024:2010, EN 60601-1-2:2015
	CE Certification CE Mark: tested to comply with EN 55032.2012+AC.2013 EN 61000-3-2.2014 EN 61000-3-3.2013 EN 60601-1-2.2015 EN 55024.2010
	CE Mark: tested to comply with EN55022:2006/A1:2007 Class B, EN610003-2, EN610003-3 including EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11; EMI: Complies with EN55011 CLASS B and FCC Part 15B - On label or Molded in case
	AAMI ES60601-1:2005 +A1 - Medical Electrical Equipment - Part 1: General Requirements CAN/CSA-C22.2 No.60601-1:14, Third Edition Issued: 2014/03/01 - Medical Electrical Equipment - Part 1 IEC 60601-1-11 Issued: 2015/01/20 Ed. 2 Medical Elec. Equip.

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	CHINA SJ/T 11364-2014, China RoHS Chart: http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf
Conforms to UL STD. 62368-1 Certified to CSA STD C22.2 NO.62368-1	Conforms to UL STD. 62368-1 Certified to CSA STD C22.2 NO.62368-1
	cRUus UL Recognized Component E172861 3rd Edition w-RM ANSI-AAMI ES60601-1 (2005 + C1:09 + A2:10) and CAN-CSA-C22.2 No. 60601-1 (2008)
	UL60950-1, cULus to UL 60950-1, 1st Edition, 2007-10-31 and CSA C22.2 No. 60950-1-03, 1st Edition, 2006-07
	
	Certification # TC RU AR46.B.69004 Custom Union of Russia, Belarus and Kazakhstan
	FCC PART 15 CLASS B
	Fuse 60335 T3.15A 250VAC Up to 36 volts
Ta:40°C	IEC 61558-1 Maximum Ambient Temperature, Max 40°C
IEC/EN60335-1	IEC/EN60335-1 Up to 36 volts
IEC/EN60601-1	IEC/EN60601-1
IEC/EN60950-1	IEC/EN60950-1
	Indoor Use Only - Mark is on the label or Molded in the case

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IP40	Ingress Protection: ?IP40 to IEC60529:2001 Protection against granular foreign bodies (with I/P cord)
IP52	Ingress Protection: ?IP52 to IEC60529:2001 Protected against dust - limited ingress (no harmful deposit) and Protected against direct sprays up to 15 degrees from the vertical (with R-Blades)
 GlobTek, Inc.	JAPAN TUV R-PSE, Cert. No. JD 50314327, to J60950-1(H26) , J55022(H22),J3000(H25)[15V or less]. Please reference the following website for guidelines on PSE regulations: https://www.globtek.com/r2/Szj4Vb
 GlobTek, Inc.	JAPAN TUV R-PSE, Cert. No. JD 50473430, to J62368-1(H30) , J55032(H29),J3000(H25)[15V or less]. Please reference the following website for guidelines on PSE regulations: https://www.globtek.com/r2/Szj4Vb
 GlobTek, Inc.	JAPAN TUV R-PSE, Cert. No. JD50473430 , to J62368-1(H30) , J55032(H29),J3000(H25)[DC15? 30V]. Please reference the following website for guidelines on PSE regulations: https://www.globtek.com/r2/Szj4Vb
 GlobTek, Inc.	JAPAN TUV R-PSE, Cert. No. JD 50473430, to J62368-1(H30) , J55032(H29),J3000(H25)[DC30? 60V]. Please reference the following website for guidelines on PSE regulations: https://www.globtek.com/r2/Szj4Vb
EFFICIENCY LEVEL 	Efficiency: complies to section 301 of Energy Independence and Security Act (EISA) complies with Energy Star tier 2 (North America), ECP tier 2 (China), MEPS tier 2 (Australia), Code of Conduct (Europe)
LPS	Limited Power Source 60950
LPS	Limited Power Source 62368
 GlobTek, Inc.	JAPAN TUV Rheinland-PSE GlobTek Inc to J60950-1(H26) , J55022(H22),J3000(H25).Please follow the procedure listed in the following link for proper import to Japan: https://www.globtek.com/r2/Szj4Vb
 GMA-515496-EA	RCM certificate GMA-515496-EA; Australia and New Zealand Regulatory Compliance, Mark (http://rcm.standards.org.au/rcmfaq/rcmfaq.htm
RoHS	Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-EU (ROHS-3) http://www.ce-mark.com/Rohs%20final.pdf

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	IEC 60601-1:2005+A1 EN 60601-1:2006+A1:2013+A12:2014 IEC 60601-1-11:2015 EN 60601-1-11:2015
	S-Mark Certificate EN 62368-1:2014 + A11 (http://www.intertek.com/marks/s/)
	Semko S-Mark-Cert- EN60950-1
	Serial Number Information
	SIQ IEC/EN 60335-1 (Safety of Household and Similar Electrical Appliances, Part 1: General Requirements) up to 36 volts
	EN 61558-2-16:2009 + A1 :2013 EN 61558-1 :2005 + A 1 :2009EN 61558-2-16:2009 + A1 :2013 EN 61558-1 :2005 + A 1 :2009EN 61558-2-16:2009 + A1 :2013 EN 61558-1 :2005 + A 1 :2009EN 61558-2-16:2009 + A1 :2013 EN 61558-1 :2005 + A 1 :2009
	Transformer Symbol IEC 61558-1 SMPS Short-Circuit –Proof Safety Isolating Transformer
	Transformer Symbol IEC 61558-1 SMPS Switch Mode Power supply
	UKCA Certification

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 10276	Ukraine UKRSePro (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
	Japan: Voluntary Control Council for Interference (VCCI)
	WEEE: Complies with EU 2012/19/EU (http://ec.europa.eu/environment/waste/weee/index_en.htm) Mark is on the label or Molded in the case