

Model:GTM91099-60VV-T3A

April 29, 2024

GTM91099-60VV-T3A

Information

Model Number

GTM91099-60VV-T3A

Description

GTM91099-60VV-T3A, 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/C6 AC Inlet Connector, Class I, Earth Ground (aka "Mickey Mouse"), Output Rating: 60 Watts, Power rating with convection cooling (W) , 5-48V in 0.1V increments, Approvals: ETL; ETL; UKCA; CB 62368; ETL 62368; CCC; South Africa; RCM; VCCI; RoHS; Ukraine; PSE; WEEE; EC; Level V; Fuse 60335; Book 60601; CB 60601-1 2MOPP; CE; CE; China RoHS; IEC/EN60601-1; IEC/EN60950-1; IEC 60335; LPS 60950; CE; CB 60950; cULus; cRUus; CB EN/IEC 60335-1; SGS (Brazil); Malaysia; Conforms to 62368-1; IRAM; S-Mark IEC/EN 60601-1 60950; CE; EAC; South Africa; South Africa; PSE; PSE; PSE; FCC; IP54 optional; 2MOPP; CB 60601-1;

Model Picture



Agency Documents

<http://www.globtek.info/certs/GTM91099/>

CE EC-Declaration

https://www.globtek.com/pdf/ec_declaration/a0O30000007P7YaEAK

RoHS/RoHS2 Declaration

https://www.globtek.com/pdf/rohs_cert/a0O30000007P7YaEAK

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)	60.0
Vout Range (V)	5-48
Efficiency Level	V
Ingress Protection	IP52, IP54 Option available
Size (mm)	117.53*53.47*36.6

PROPRIETARY INFORMATION

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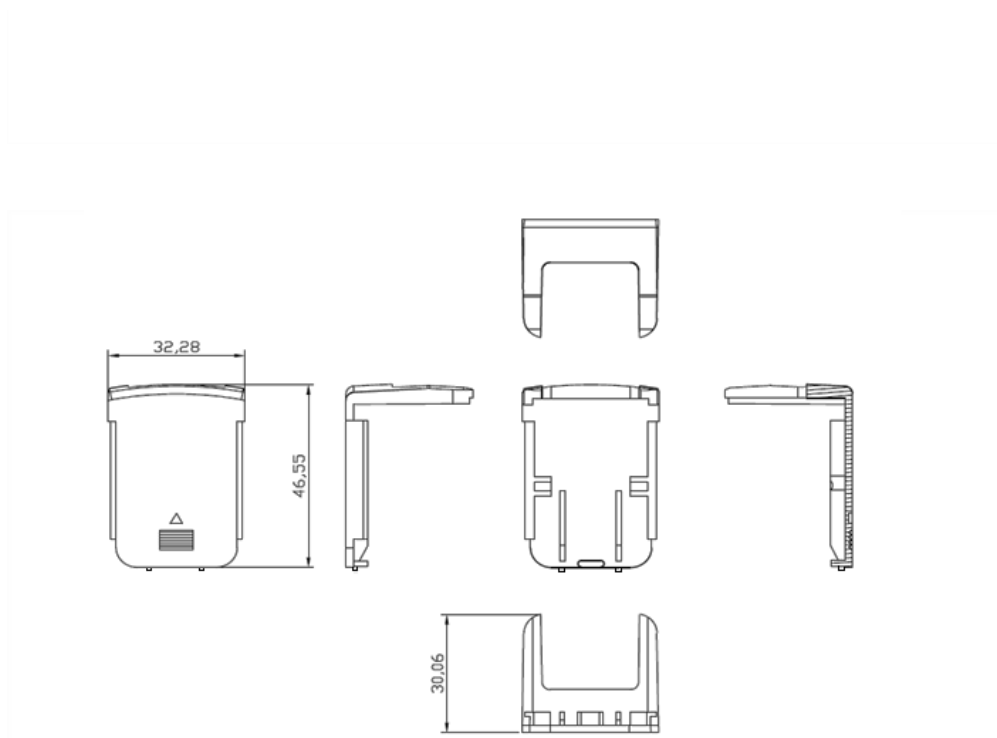
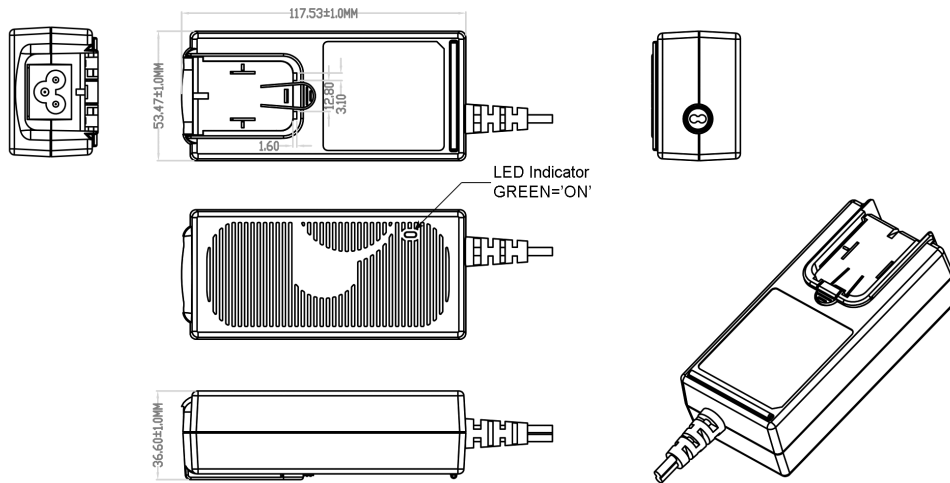
<https://www.globtek.com/ds/KwHd5676L4Q/miDWKnozTVL.html>

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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
GTM91099-3009-4.0-T3A	5 V	6	30.00	RFQ
GTM91099-4509-2.5-T3A	6.5 V	7	45.50	RFQ
GTM91099-4509-T3A	9 V	5	45.00	RFQ
GTM91099-6015-3.0-T3A	12 V	5	60.00	RFQ
GTM91099-6015-2.0-T3A	13 V	4.6	59.80	RFQ
GTM91099-6015-1.2-T3A	13.8 V	4.35	60.03	RFQ
GTM91099-6015-T3A	15 V	4	60.00	RFQ
GTM91099-6024-6.0-T3A	18 V	3.33	59.94	RFQ
GTM91099-6024-5.0-T3A	19 V	3.42	64.98	RFQ
GTM91099-6024-T3A	24 V	2.5	60.00	RFQ
GTM91099-5648-20.0-T3A	28 V	2	56.00	RFQ
GTM91099-6048-19.5-T3A	28.5 V	2.1	59.85	RFQ
GTM91099-6048-18.0-T3A	30 V	2	60.00	RFQ
GTM91099-6048-18.0-T2	30 V	2	60.00	RFQ
GTM91099-6048-T3A	48 V	1.25	60.00	RFQ

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: Specified 90-264 Vac, Nameplate rated 100-240 Vac
02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60 Hz
03. Output Regulation: +/- 5% nominal output voltage measured at the output connector at nominal line
04. Line Voltage Regulation: +/- 2% max at full load
05. Output Ripple (Vp-p): +/-1% or 150mV whichever is greater at nominal output voltage. 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.
06. Turn-ON/OFF Overshoot: 5% max, 500uS max recovery time for 25% to 50% step load
07. Turn-ON Delay: 2 Seconds, maximum @ full load, nominal line
08. Hold-Up Time: 8 mS at nominal input and full load
09. Inrush Current: 40A max at cold start 120 VAC, 60A max cold start 230VAC
10. Switching Frequency: 100 KHz typical

B) PROTECTION

1. Over-Voltage: Protected, Hiccup with auto recovery
2. Short Circuit: Protected, Hiccup with auto recovery
3. Over-load: Protected, Hiccup with auto recovery
4. Input Protection: Input line and neutral fusing
5. Means of Patient Protection: (2 x MOPP)

C) SAFETY

01. Dielectric Withstand Voltage: 5656Vdc from primary to secondary
02. Earth Leakage Current: Did not exceed 5 mA in NORMAL CONDITION and 10 mA in SINGLE FAULT CONDITION
03. Earth continuity test:<0.1 Ohm or < 0.2 Ohm when with a non-detachable Power Supply cord, Class I Only
04. Touch Current: Did not exceed 100uA NC(Normal condition) 500uA SFC(single fault condition)
05. Means of Protection: 2 x MOPP
06. Primary to Secondary Bridging Capacitor: (2) * Y1 type capacitors in series

D) OTHER:

1. MTBF: 200,000 Hours @ 25°C ambient temperature
2. Operating Temperature: 0°C to 40°C ambient temperature, @ 100% Load, (UL approved rating to 70°C & evaluated to -30°C for 15W, 5V @ 3A)
3. Humidity: 0% to 90% relative humidity
4. Storage Temperature: -30°C to 80°C
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: 117.53*53.47*36.6 mm +/- 1.0
3. Markings: Label and/or Pad Printed and/or Molded into Case
4. LED: Standard Green color to indicate power on

PROPRIETARY INFORMATION

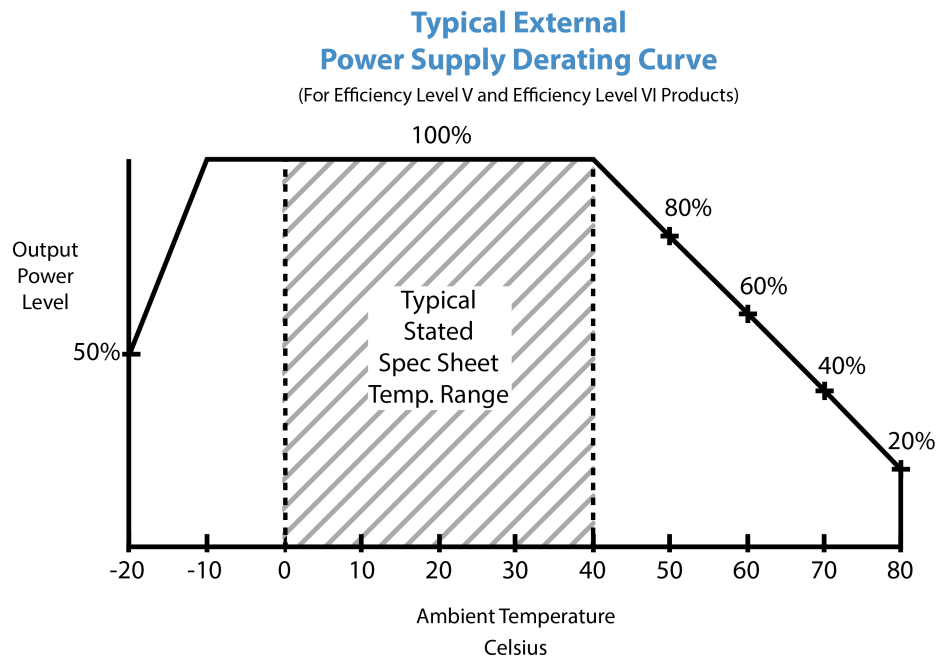
PROPRIETARY OF GLOBTEK, INC. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING, IN WHOLE OR IN PART, IS HEREBY PROHIBITED EXCEPT AS SPECIFIED IN WRITING BY GLOBTEK, INC.

<https://www.globtek.com/ds/KwHd5676L4Q/miDWKnozTVL.html>

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DERATING CURVE



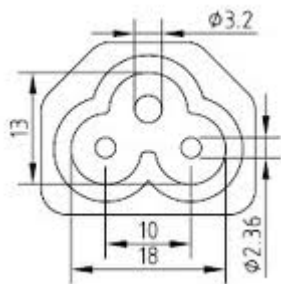
Note:
@ 15W UL certified to +70C for GTM91099-3009-4.0 only

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INPUT CONFIGURATION

Description IEC 60320/C6 AC Inlet Connector, Class I, Earth Ground (aka "Mickey Mouse")

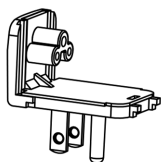
[Blade Insertion Instructions](#)
[R-Blade Style Instruction Video](#)


Mates with IEC 60320/C5 Plug

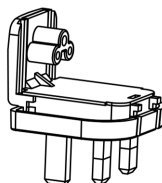
This series of Interchangeable Blade products may be used with Proprietary Interchangeable Blades as described below or with standard international power cords.

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

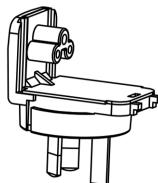
1. Class I model NEMA 5-15P (Type B), Class I AC power plug with 2 blades & ground pin, R-NA-3(R)
2. Australian AS 3112 (Type I) configuration: SAA 3 pins Class I, R-SAA-3(R)
3. UK BS 1363 (Type G) configuration: UK 3 pins (Ground) Class I, R-UK-3(R)
4. European CEE 7/7 (Type E and F) configuration: European plug 2 PINS + ground, Class I, R-EU-3(R)
5. Desktop Insert
- Kits
05. R-KIT-3(R) 1,2,3,4 above
06. R-KIT-3-INTL(R): 2,3,4 above



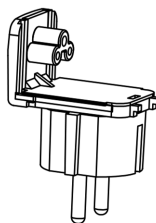
UL 3P

P/N: R-NA-3(R)
NORTH AMERICA
JAPAN


UK 3P

P/N: R-UK-3(R)
UNITED KINGDOM
HONG KONG
SINGAPORE


AUS 3P

P/N: R-SAA-3(R)
AUSTRALIA


EU 3P

P/N: R-EU-3(R)
EUROPE
SOUTH AMERICA

Below are standard cordsets which are "not included" (unless stated above); these can be purchased separately or package 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/C5 Cordsets](#)

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Part Number / Link	Country	Plug	Connector	Length (mm)	Length (ft)
3021066F712(R)	N. American (Type B)	NEMA 5-15P	IEC 320/C5	1880	6
1191068F0712(R)	N. American (Type B)	NEMA 5-15P Hospital	IEC 320/C5	2459	8
2194262M0712(R)	Argentina (Type I)	IRAM 2073	IEC320/C5	2050	6.7
2064262M0712(R)	Australian (Type I)	AS3112 / 3 PRONG	IEC 320/C5	2000	6.6
204B4262M0712(R)	Brazil (Type N)	BRAZIL	IEC 320/C5	2000	6.6
6023592M5712(R)	China (Type I)	CCC GR2099	IEC 320/C5	2500	8
23144262M0712(R)	Europe (Type E)	CEE 7/7	IEC 320/C5	2050	6.6
2313K3432M0712(R)	Korea (Type F)	KS C 8305	IEC 320/C5	2000	6.6
205IN4262M0712(R)	India (Type D)	India IS 1293 (also known as IA16A3 or BS546)	IEC320/C5	2000	6.6
377C4262M0712(R)	Israel (Type H)	ISL	IEC320/C5	2050	6.7
23024262M0712(R)	Italy (Type L)	CEI 23-16/VII	IEC 320/C5	2000	6.6
3003316F0712(R)	Japan (Type B)	JIS 8303 / 3 PINS	IEC 320/C5	1830	6
3021066F0712ULPSE(R)	Japan / USA (Type B)	JIS 8303 / 3 PINS + NEMA 5-15P	IEC 320/C5	1830	6
2054262M0712(R)	S. Africa (Type D)	South Africa SABS164-1 (6A type plug)	IEC320/C5	2050	6.7
2084262M0712(R)	S.Africa (Type M)	South Africa SABS164-1 (16A type plug)	IEC 320/C5	2000	6.6
23214262M0712(R)	Switzerland (Type J)	SEV 1011 (EL 203)	IEC 320/C5	2000	6.6
3003316F0712(R)	Taiwan (Type B)	BSMI	IEC 320/C5	2000	6.6
6104262M0712(R)	UK, Hong Kong, Singapore, Gulf States (Type G)	BS1363	IEC 320/C5	2000	6.6

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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
2MOPP	2 x MOPP (Means of Patient Protection) marked with 2MOPP near model name
	Book 60335 up to 36 Volts
	60601-1 3rd Operating Instructions
No Logo Applicable	IEC 60601-1: 2005 + C1 + C2 + A1
No Logo Applicable	CB report IEC 60601-1: 2005 + CORR. 1 (2006) + CORR. 2 (2007) and or EN 60601-1:2006 3rd Edition 2xMOPP
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 for IEC 62368-1:2014 (Second Edition)
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
 仅适用于在海拔5000m以下地区使用	CCC Altitude up to 5000 m GB17625.1-2012, GB4943.1-2011, GB/T9254-2008
	CE Certification Class II 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 EN61000-4-7 EMI: Complies with EN55011 CLASS B and FCC Part 15 B
	CE Certification CE Mark: tested to comply with EN 55032.2012+AC.2013 EN 61000-3-2.2014 EN 61000-3-3.2014 EN 60601-1-2.2015 EN 55024.2010
	CE Mark: tested to comply with Additional EN610006-1:2007, EN610006-2:2005 EN61000-6-3:2007+A1:2011 EN61000-6-4:2007+A1:2011

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	CE Mark: tested to comply with EN 60601-1-2:2015 Medical electrical equipment Part 1-2: - Mar on the label or Molded in the case
	Audio/Video, Information And Communication Technology Equipment - Part 1: Safety Requirem [UL 62368-1:2014 Ed.2] Audio/Video, Information And Communication Technology Equipment - Part 1: Safety Requirem [CSA C22.2#62368-1:2014 Ed.2]
	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-
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)
	UL 60950-1, 2nd Edition, 2011-12-19 (Information Technology Equipment - Safety - Part 1: General Requirements) CSA C22.2 No. 60950-1-07, 2nd Edition, 2011-12 (Information Technology Equipment - Safety - Part 1: General Requirements)
	Certification # TC RU AR46.B.69004 Custom Union of Russia, Belarus and Kazakhstan
No Logo	EC-Conformity Declaration: http://www.globtek.com/html/iso_certificates/EC-DECLARATION.pdf REACH 144 SVHC: http://www.globtek.com/html/iso_certificates/Reach144.pdf
	Medical Electrical Equipment – Part 1: General Requirement for Basic safety Essential Performa (AAMI ES60601-1:2005+A1) Medical Electrical Equipment – Part 1: General Requirement for Basic safety Essential Performa (CSA C22 2#60601-1:2014 Ed.3)
	Information Technology Equipment Safety Part 1: General Requirements (UL 60950-1 Issued: 2007/03/27 Ed: 2 Rev: 2014/10/14)

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	FCC PART 15B Report STR14078169E-3
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
IP54 optional	Ingress Protection: IP54 to IEC60529:2001 Protected against dust - limited ingress (no harmful deposit) and Protected against sprays from all directions - limited ingress permitted
 DC-E-G71-009.2 PRECAUCION: PARA USO EN EQUIPOS ELECTRONICOS SOLAMENTE	IRAM certificate GTM96600 GTM91099 T3(A) R3A to IEC 62368-1:2014
 GlobTek, Inc.	JAPAN TUV R-PSE, Cert. No. JD 50313287, to J60950-1(H26) , J55022(H22),J3000(H25)[DC15?30V]. Please reference the following website for guidelines on regulations: https://www.globtek.com/r2/Szj4Vb
 GlobTek, Inc.	JAPAN TUV R-PSE, Cert. No. JD 50313287, to J60950-1(H26) , J55022(H22),J3000(H25)[DC30?60V]. Please reference the following website for guidelines on regulations: https://www.globtek.com/r2/Szj4Vb
 GlobTek, Inc.	JAPAN TUV R-PSE, Cert. No. JD 50469658, to J62368-1(H30) , J55032(H29),J3000(H25)[15V less]. 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 w Energy Star tier 2 (North America), ECP tier 2 (China), MEPS tier 2 (Australia), Code of Conduc (Europe)
LPS	Limited Power Source 60950

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No Logo	Malaysia ST Release Letter GTM91099T2 -T3A IEC62368-1:2018 No logo
 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
 SAA-170301-EA	RCM N136; 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+) http://www.ce-mark.com/Rohs%20final.pdf
 Intertek IEC/EN60601-1 IEC/EN60950-1	Semko S-Mark-Cert-EN60601-1 and EN60950-1
	Serial Number Information
 FONTE DE ALIMENTAÇÃO DE ITE	SGS (Brazil) to IEC 60950-1_2005 + A1_2009 +A2_2013 (5 - 48 Volts)
No Logo	12
No Logo	South Africa approval to SANS IEC 60950
No Logo	12
	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.h) Mark is on the label or Molded in the case