

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

Model:GT-46240-24VV-x.x-T3

May 20, 2024

## GT-46240-24VV-x.x-T3

### Information

#### Model Number

GT-46240-24VV-x.x-T3

#### Description

GT-46240-24VV-x.x-T3, ICT/ITE Power Supply, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C14 AC Inlet Connector, Class I, Earth Ground, Output Rating: 24 Watts, Power rating with convection cooling (W) , 12-24V in 0.1V increments, Approvals: India BIS; cULus; RCM; 230V CoC Tier 2; EAC; SIQ; cULus; UKCA; PSE; GEMS (24V); NrCAN (24V only); Conforms to 62368-1; Morocco; CB 62368; CE; China RoHS; Class I; IP52; Level VI; LPS 60950; VCCI; PSE; RoHS; Ukraine; WEEE; SAA; CAN ICES-3; Korea (24V, 20Vand 18V Only); CCC;

#### Model Picture



#### Agency Documents

<http://www.globtek.info/certs/GT-46240-24VV-x.x-TZ/>

#### CE EC-Declaration

[https://www.globtek.com/pdf/ec\\_declaration/a0Oa000000MjLiqEAF](https://www.globtek.com/pdf/ec_declaration/a0Oa000000MjLiqEAF)

#### RoHS/RoHS2 Declaration

[https://www.globtek.com/pdf/rohs\\_cert/a0Oa000000MjLiqEAF](https://www.globtek.com/pdf/rohs_cert/a0Oa000000MjLiqEAF)

#### REACH Declaration

[https://www.globtek.com/pdf/iso\\_certificates/REACH.pdf](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**

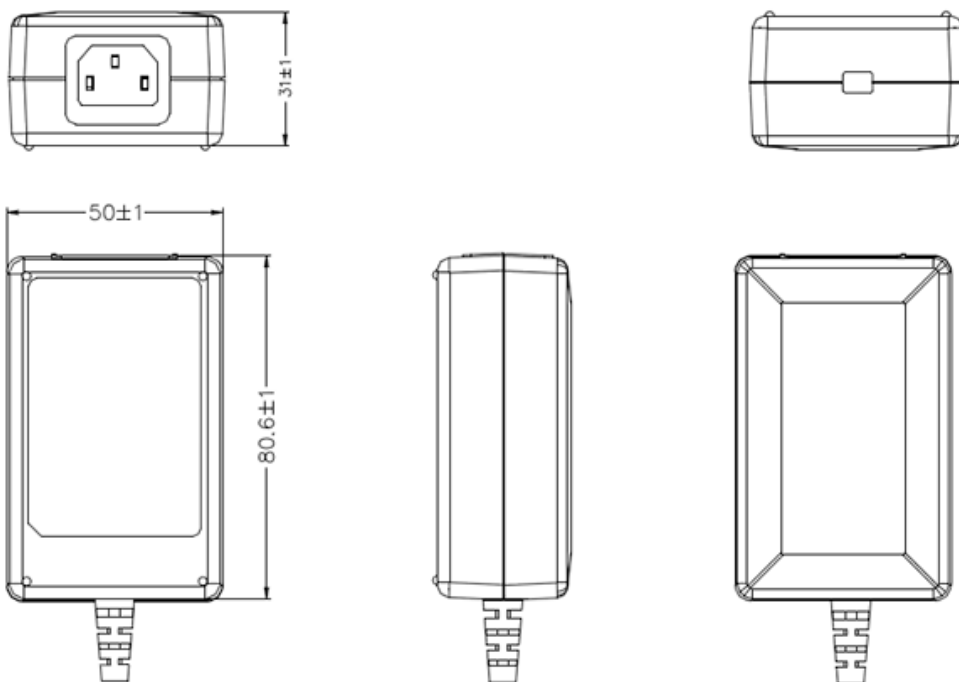
|                    |                                                                     |
|--------------------|---------------------------------------------------------------------|
| Type               | Desktop/External                                                    |
| Technology         | Regulated Switchmode AC-DC Power Supply AC Adaptor                  |
| Category           | ICT/ITE Power Supply                                                |
| Input Voltage      | 100-240V~, 50-60 Hz                                                 |
| I/P Amps (A)       | 0.6 A                                                               |
| Wattage (W)        | 24.0                                                                |
| Vout Range (V)     | 12-24                                                               |
| Efficiency Level   | USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782 |
| Ingress Protection | Indoor Use                                                          |
| Size (mm)          | 80.6*50.0*31.0                                                      |

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## ENCLOSURE



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## RATING TABLE

| Model Number         | Voltage | Amps(A) | Watts(W) | RFQ                 |
|----------------------|---------|---------|----------|---------------------|
| GT-46240-2412-T3     | 12 V    | 2       | 24.00    | <a href="#">RFQ</a> |
| GT-46240-2415-T3     | 15 V    | 1.6     | 24.00    | <a href="#">RFQ</a> |
| GT-46240-1824-6.0-T3 | 18 V    | 1       | 18.00    | <a href="#">RFQ</a> |
| GT-46240-2424-6.0-T3 | 18 V    | 1.33    | 23.94    | <a href="#">RFQ</a> |
| GT-46240-2424-5.0-T3 | 19 V    | 1.26    | 23.94    | <a href="#">RFQ</a> |
| GT-46240-2424-T3     | 24 V    | 1       | 24.00    | <a href="#">RFQ</a> |
| GT-46240-1824-T3     | 24 V    | 0.75    | 18.00    | <a href="#">RFQ</a> |

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## SPECIFICATIONS

### A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
03. Inrush Current: 50A Max. at 115VAC cold start, 100A Max. at 230VAC cold start
04. Average Efficiency: 86.2% Min (CEC & DOE LEVEL VI Compliant); 86.8% Min (ErP European Commission's Ecodesign Directive (2005/32/EC) / CoC Tier 2 Compliant)
05. Input Power(no load): <0.1W (CEC & DOE Level VI Compliant); <0.075W ErP European Commission's Ecodesign Directive (2005/32/EC) / CoC Tier 2 Compliant)
06. Output Voltage tolerance:  $\pm 5\%$
07. Load regulation:  $\pm 5\%$
08. Output Voltage: Tolerance  $\pm 5\%$
09. Turn On Delay: 3000 mS MAX at 115 VAC Full Load
10. Hold Up Time: 10 mS Min at 100 VAC Full Load
11. Ripple and Noise (Vp-p): 100 mVp-p maximum, At 20 MHz, and output parallel with 0.1uF & 47uF capacitors to ground. Temperature at 25 °C, and nominal input voltage

### B) PROTECTION

01. Over voltage protection: protection zener
02. Short circuit protection: Output shut down and auto- recover
03. Over Load Protection: Output shut down and auto restart

### C) SAFETY

01. HI-POT : Input to output : 1500VAC or 2121VDC 10mA 1 minute
02. Earth Leakage Current: <3.5 mA at 240Vac input voltage
03. Insulation resistance: Input to output: 500vdc to test the input to output resistance not be less 100M ohm
04. Earth continuity test:<0.1 Ohm or < 0.2 Ohm when with a non-detachable Power Supply cord, Class I Only

### D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 40°C ambient temperature
03. Humidity Operating : 20% to 80%. 0% to 90% relative humidity
04. Storage Temperature: -10°C to 70°C  
Humidity Storage: 10% to 90%
05. RoHS 2: Complies with EU 2015/863 and China SJ/T 11363-2014

### E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 80.6\*50.0\*31.0 +/-1.0 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case

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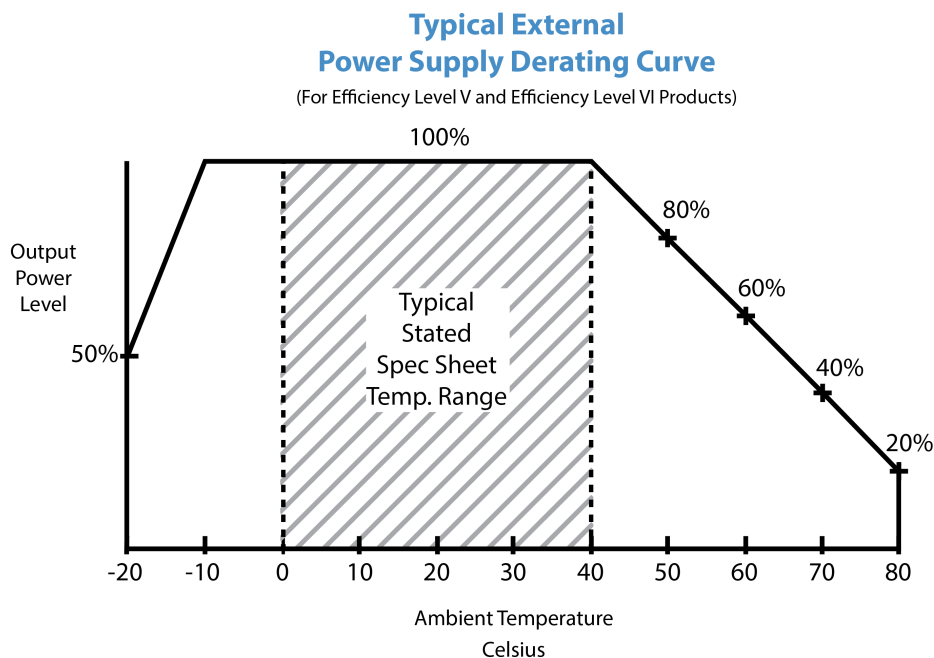
<https://www.globtek.com/ds/DUQnwAiAnhQ/CkELSEjxoJm.html>

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## DERATING CURVE

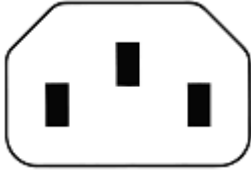


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## INPUT CONFIGURATION

Description IEC 60320/C14 AC Inlet Connector, Class I, Earth Ground



Mates with IEC 60320/C13 Plug

Optional Locking IEC60320 Receptacle and cord option available on some models by request.:



### [Standard International IEC 320/C13 Cordsets](#)

Below are standard cordsets which are "not included" (unless stated above); these can 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.

## Stock Power Supply Cords

| Part Number/ Link                 | Country              | Plug                    | Termination | Length (mm) | (Ft) |
|-----------------------------------|----------------------|-------------------------|-------------|-------------|------|
| <a href="#">3021457F701(R)</a>    | N. American (Type B) | NEMA 5-15P              | IEC 320/C13 | 2150        | 7    |
| <a href="#">1191068F0701(R)</a>   | N. American (Type B) | NEMA 5-15P Hospital     | IEC 320/C13 | 2459        | 8    |
| <a href="#">2194272M5701-T(R)</a> | Argentina (Type I)   | IRAM 2073               | IEC 320/C13 | 2500        | 8    |
| <a href="#">5502022M5701A(R)</a>  | Australian (Type I)  | AS3112 / 3 PRONG        | IEC 320/C13 | 2500        | 8    |
| <a href="#">204B4272M5701(R)</a>  | Brazil (Type N)      | BRAZIL                  | IEC 320/C13 | 2500        | 8    |
| <a href="#">6023602M5701(R)</a>   | China (Type I)       | CCC GR2099              | IEC 320/C13 | 2500        | 8    |
| <a href="#">G8014272M5701(R)</a>  | Danish (Type K)      | AFSNIT SECTION 107-2-D1 | IEC 320/C13 | 2500        | 8    |
|                                   |                      |                         | IEC         |             |      |

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|                                       |                                                |                                                                                               |             |      |   |
|---------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------|------|---|
| <a href="#">23144272M5701-T(R)</a>    | Europe (Type E)                                | CEE 7/7                                                                                       | 320/C13     | 2500 | 8 |
| <a href="#">23134272M5701EUKR(R)</a>  | Europe/Korea Combo (Type E)                    | CEE 7/7 / KSC8305                                                                             | IEC 320/C13 | 2500 | 8 |
| <a href="#">205IN4272M5701(R)</a>     | India (Type D)                                 | India IS 1293 (also known as IA16A3 or BS546)                                                 | IEC 320/C13 | 2500 | 8 |
| <a href="#">208IN4272M5701(R)</a>     | India (Type M)                                 | India IS 1293 (also known as IA16A3 or BS546)                                                 | IEC 320/C13 | 2500 | 8 |
| <a href="#">377C4272M5701(R)</a>      | Israel (Type H)                                | ISL 377C                                                                                      | IEC 320/C13 | 2500 | 8 |
| <a href="#">23024272M5701(R)</a>      | Italy (Type L)                                 | CEI 23-16/VII                                                                                 | IEC 320/C13 | 2500 | 8 |
| 3003339F701(R)<br>[3x1.25mm2]         | Japan (Type B)                                 | JIS 8303 / 3 PINS                                                                             | IEC 320/C13 | 2500 | 8 |
| 3003068F2701-HK(R)<br>[3 x 2.0mm2]    |                                                |                                                                                               |             |      |   |
| <a href="#">302J115J6F0701J(R)</a>    | North America / Japan (Type B – 12A)           | NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved)                                  | IEC 320/C13 | 1830 | 6 |
| <a href="#">302J104J6F0701J(R)</a>    | North America / Japan (Type B – 15A)           | NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved)                                  | IEC 320/C13 | 1830 | 6 |
| <a href="#">302JT104J9F0701JT(R)</a>  | North America / Japan / Taiwan (Type B – 15A)  | NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved), Taiwan CNS 6797 (BSMI Approved) | IEC 320/C13 | 2800 | 9 |
| <a href="#">2313K3432M5701(R)</a>     | Korea (Type F)                                 | KS C 8305                                                                                     | IEC 320/C13 | 2500 | 8 |
| <a href="#">5804272M5701(R)</a>       | Russia (Type F)                                | GOST 7396                                                                                     | IEC 320/C13 | 2500 | 8 |
| <a href="#">2084272M5701(R)</a>       | South Africa (Type M)                          | South Africa SABS164-1 (16A type)                                                             | IEC 320/C13 | 2500 | 8 |
| <a href="#">23214272M5701(R)</a>      | Switzerland (Type J)                           | SEV 1011                                                                                      | IEC 320/C13 | 2500 | 8 |
| <a href="#">3003322M5701(R)</a>       | Taiwan (Type B)                                | BSMI                                                                                          | IEC 320/C13 | 2500 | 8 |
| <a href="#">6363762M5701(R)</a>       | Thailand (Type O)                              | TIS 166-2549                                                                                  | IEC 320/C13 | 2500 | 8 |
| <a href="#">PZ0800100-2M5BK13H(R)</a> | UK, Hong Kong, Singapore, Gulf States (Type G) | BS 1363A                                                                                      | IEC 320/C13 | 2500 | 8 |
| <a href="#">7055002M5701A(R)</a>      | International                                  | IEC 320 C14-C13                                                                               | IEC 320/C13 | 2500 | 8 |

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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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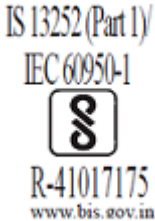
## Approvals

| Logo                                                                                      | Description                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No Logo Applicable                                                                        | EU 230V CoC Tier 2, 278/2009, Mar 2014                                                                                                                                                                                                         |
| No Logo Applicable                                                                        | CB for IEC 62368-1:2014 (Second Edition) + A11:2017                                                                                                                                                                                            |
| <br>2000 | CCC to GB4943.1-2011 GB9254-2008 GB17625.1-2012                                                                                                                                                                                                |
|          | CE Mark: tested to comply with EN55022:2006/A1:2007 Class B, EN610003-2, EN610004-2, EN610004-3, EN610004-4, EN610004-5, EN610004-6N EMI: Complies with EN55011 CLASS B and FCC Part 15B - On label or Molded in c                             |
|        | CHINA SJ/T 11364-2014, China RoHS Chart:<br><a href="http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaratic">http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaratic</a>                                  |
| Conforms to UL STD. 62368-1<br>Certified to CSA STD C22.2 NO.62368-1                      | Conforms to UL STD. 62368-1<br>Certified to CSA STD C22.2 NO.62368-1                                                                                                                                                                           |
|        | UL 60950-1, 2nd Edition, 2014-10-14 (Information Technology Equipment - Safety - Requirements) CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10 (Information Equipment - Safety - Part 1: General Requirements)                              |
|        | Declaration ДС № EA3C N RU Д-US.KA01.B.10453_19 Custom Union of Russia, B Kazakhstan <a href="http://www.globtek.com/redirect/?loc=gost-certificate-eac-declaration">http://www.globtek.com/redirect/?loc=gost-certificate-eac-declaration</a> |
| No Logo                                                                                   | Greenhouse and Energy Minimum Standards (GEMS) for model GT-46240-2424                                                                                                                                                                         |
| CAN ICES-3(B)/NMB-3(B)                                                                    | Compliance of this PSU with Industry Canada, Class B demonstrated with a standar The ICES law stipulates that system-level testing is required to demonstrate complia ICES-3 emission limits with the actual system load.                      |
|                                                                                           |                                                                                                                                                                                                                                                |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Bureau Of Indian Standards for GT-46240-T3/T3A) (12V, 15V, 18V, 19V, 24V only)                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Indoor Use Only - Mark is on the label or Molded in the case                                                                                                                                                                           |
| IP52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Ingress Protection: ?IP52 to IEC60529:2001 Protected against dust - limited ingress deposit) and Protected against direct sprays up to 15 degrees from the vertical (with                                                              |
|  GlobTek, Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | JAPAN TUV R-PSE, Cert. No. JD 50471561.pdf, to J62368-1(H30) , J55032(H29), , [15V?30V]. Please reference the following website for PSE regulations: <a href="https://www.globtek.com/r2/Szj4Vb">https://www.globtek.com/r2/Szj4Vb</a> |
|  GlobTek, Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | JAPAN TUV R-PSE, Cert. No. JD 50471561, to J62368-1(H30) , J55032(H29), J300 less]. Please reference the following website for PSE regulations: <a href="https://www.globte">https://www.globte</a>                                    |
| <div data-bbox="123 1199 505 1367">  <b>직류전원장치 AC/DC ADAPTER</b><br/> KTC HU10499-16028A<br/> MSIP-REM-GSZ-46240-2424-T3<br/> 전기용품안전관리법에 의한 표시<br/> 최저소비효율기준 만족 제품<br/> 모델명:GT-46240-2424-T3<br/> Mir. Name: GLOBTEK (SUZHOU) CO.,LTD<br/> A/S Center: 10-6221-6100 </div> <div data-bbox="123 1398 505 1566">  <b>직류전원장치 AC/DC ADAPTER</b><br/> KTC HU10499-16028A<br/> 모델명:GT-46240-2424-4.0-T3<br/> Mir. Name: GLOBTEK (SUZHOU) CO.,LTD<br/> A/S Center: 10-6221-6100 </div> <div data-bbox="123 1598 505 1766">  <b>직류전원장치 AC/DC ADAPTER</b><br/> KTC HU10499-16028A<br/> 모델명:GT-46240-2424-6.0-T3<br/> Mir. Name: GLOBTEK (SUZHOU) CO.,LTD<br/> A/S Center: 10-6221-6100 </div> | Korea KET KC Mark GT-46240-24xx-T3 HU10499-16028A (24V, 20V and 18V Only                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Efficiency: complies to section 301 of Energy Independence and Security Act (EISA)                                                                                                                                                     |

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|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EFFICIENCY LEVEL VI</b>                                                                                              | Energy Star tier 2 (North America), ECP tier 2 (China), MEPS tier 2 (Australia), Cod (Europe)                                                                                                                                                        |
| LPS                                                                                                                     | Limited Power Source 60950                                                                                                                                                                                                                           |
|                                        | Morocco SDoC declaration<br><a href="http://www.globtek.info/certs/Morocco%20SDoC%20Declaration/">http://www.globtek.info/certs/Morocco%20SDoC%20Declaration/</a>                                                                                    |
|  EEV1191                               | Natural Resources Canada (NRCAN): CSA Standard C381.1-08, QSP NRCAN EEV<br><a href="http://shop.csa.ca/en/canada/energy-efficiency/canca-c3811-08/inv/27024802008">http://shop.csa.ca/en/canada/energy-efficiency/canca-c3811-08/inv/27024802008</a> |
|  <b>N136</b><br><b>SAA-160907-EA</b>   | RCM certificate SAA-210578-EA; Australia and New Zealand Regulatory Compliance<br><a href="http://rcm.standards.org.au/rcmfaq/rcmfaq.htm">http://rcm.standards.org.au/rcmfaq/rcmfaq.htm</a>                                                          |
| RoHS                                                                                                                    | Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/86<br><a href="http://www.ce-mark.com/Rohs%20final.pdf">http://www.ce-mark.com/Rohs%20final.pdf</a>                                                                     |
|  <b>N136</b><br><b>SAA-160907-EA</b> | RCM certificate SAA-210578-EA; Australia and New Zealand Regulatory Compliance<br><a href="http://rcm.standards.org.au/rcmfaq/rcmfaq.htm">http://rcm.standards.org.au/rcmfaq/rcmfaq.htm</a>                                                          |
|                                      | SIQ Mark EN 62368-1:2014 + All:2017                                                                                                                                                                                                                  |
|                                      | UKCA Certification                                                                                                                                                                                                                                   |
|  10276                               | Ukraine UKRSepro (Document: <a href="http://www.globtek.com/html/iso_certificates/GT_Ukraine">www.globtek.com/html/iso_certificates/GT_Ukraine</a> )                                                                                                 |
|                                                                                                                         |                                                                                                                                                                                                                                                      |

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|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | UL 62368-1 and CAN/CSA C22.2 No. 62368-1-14                                                                                                                                             |
|  | Japan: Voluntary Control Council for Interference (VCCI)                                                                                                                                |
|  | WEEE: Complies with EU 2012/19/EU ( <a href="http://ec.europa.eu/environment/waste/weee">http://ec.europa.eu/environment/waste/weee</a> )<br>Mark is on the label or Molded in the case |