

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

Model:GT-46600-WWVV-X.X-T3A

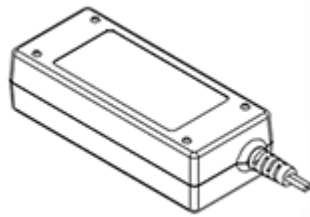
May 20, 2024

DOE EPS 2.0 Level VI Power Supply / Charger / AC Adapter, 60W Desktop/Tabletop,  
Available with 5-24VDC output Certified to 60950 ITE Standards.

## Information

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Model Number | GT-46600-WWVV-X.X-T3A                                                                                   |
| Description  | 60 W, DoE Level VI & CoC Tier 2 Efficiency, Three Prong (C6) Inlet, Desktop Adapter, Ac-Dc Power Supply |

## Model Picture



|                               |                                                                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Agency Documents              | <a href="http://www.globtek.info/certs/GT-46600-60VV-X.X/">http://www.globtek.info/certs/GT-46600-60VV-X.X/</a>                           |
| CE EC-Declaration             | <a href="https://www.globtek.com/pdf/ec_declaration/a0Oa000000NruYJEAZ">https://www.globtek.com/pdf/ec_declaration/a0Oa000000NruYJEAZ</a> |
| RoHS/RoHS2 Declaration        | <a href="https://www.globtek.com/pdf/rohs_cert/a0Oa000000NruYJEAZ">https://www.globtek.com/pdf/rohs_cert/a0Oa000000NruYJEAZ</a>           |
| REACH Declaration             | <a href="https://www.globtek.com/pdf/iso_certificates/REACH.pdf">https://www.globtek.com/pdf/iso_certificates/REACH.pdf</a>               |
| Conflict Minerals Declaration | <a href="https://www.globtek.com/pdf/conflict-minerals.pdf">https://www.globtek.com/pdf/conflict-minerals.pdf</a>                         |

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**MODEL PARAMETERS**

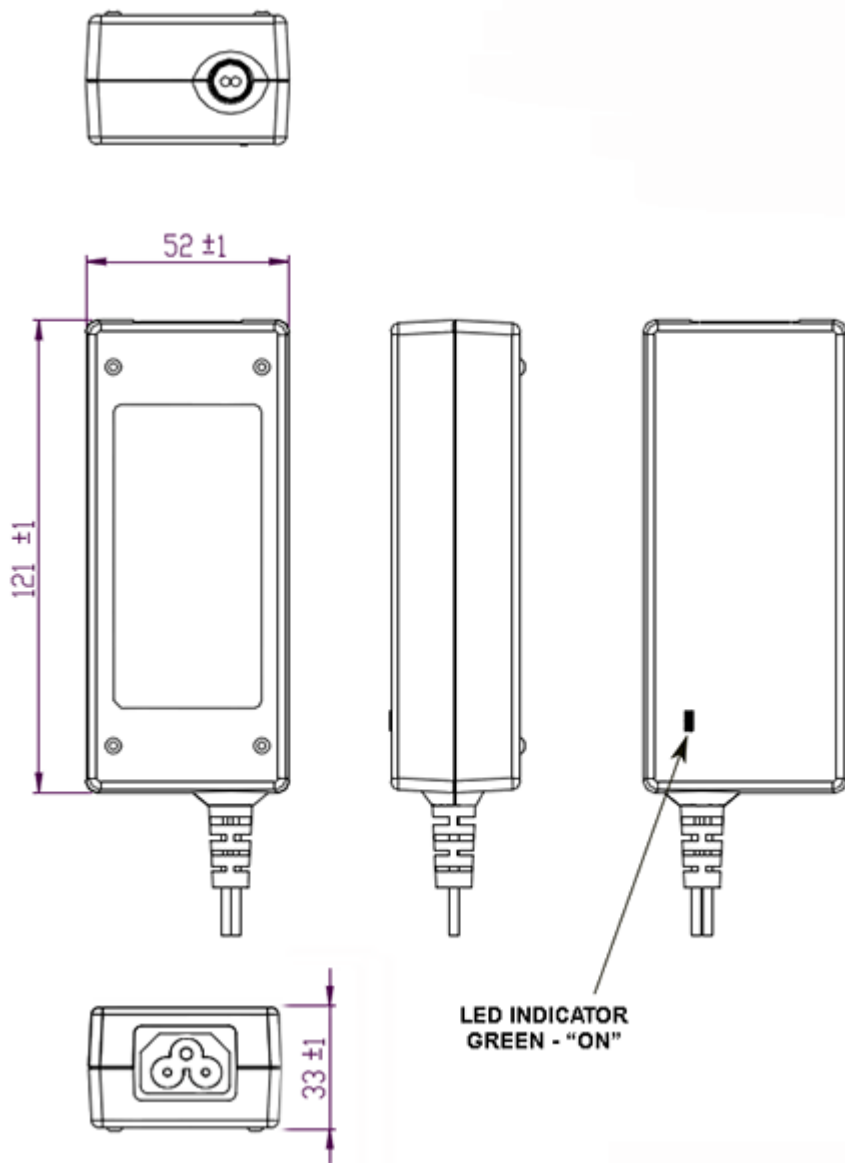
|                    |                                                                     |
|--------------------|---------------------------------------------------------------------|
| Type               | Desktop/External                                                    |
| Technology         | Regulated Switchmode AC-DC Power Supply AC Adaptor                  |
| Category           | ICT/ITE Power Supply                                                |
| Input Voltage      | 100-240V~, 50-60 Hz                                                 |
| I/P Amps (A)       | 1.5A                                                                |
| Wattage (W)        | 60.0                                                                |
| Vout Range (V)     | 12-24                                                               |
| Efficiency Level   | USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782 |
| Ingress Protection | IPX0                                                                |
| Size (mm)          | 121*52*33                                                           |

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## ENCLOSURE



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## RATING TABLE

| Model Number          | Voltage | Amps(A) | Watts(W) | RFQ                 |
|-----------------------|---------|---------|----------|---------------------|
| GT-46600-6012-T3A     | 12 V    | 5       | 60.00    | <a href="#">RFQ</a> |
| GT-46600-6015-2.0-T3A | 13 V    | 4.61    | 59.93    | <a href="#">RFQ</a> |
| GT-46600-6015-1.0-T3A | 14 V    | 4.28    | 59.92    | <a href="#">RFQ</a> |
| GT-46600-6015-T3A     | 15 V    | 4       | 60.00    | <a href="#">RFQ</a> |
| GT-46600-6024-8.0-T3A | 16 V    | 3.75    | 60.00    | <a href="#">RFQ</a> |
| GT-46600-6024-7.0-T3A | 17 V    | 3.52    | 59.84    | <a href="#">RFQ</a> |
| GT-46600-6024-6.0-T3A | 18 V    | 3.34    | 60.12    | <a href="#">RFQ</a> |
| GT-46600-6524-5.0-T3A | 19 V    | 3.42    | 64.98    | <a href="#">RFQ</a> |
| GT-46600-6524-4.0-T3A | 20 V    | 3.25    | 65.00    | <a href="#">RFQ</a> |
| GT-46600-6524-3.0-T3A | 21 V    | 3.09    | 64.89    | <a href="#">RFQ</a> |
| GT-46600-6524-2.0-T3A | 22 V    | 2.95    | 64.90    | <a href="#">RFQ</a> |
| GT-46600-6524-1.0-T3A | 23 V    | 2.62    | 60.26    | <a href="#">RFQ</a> |
| GT-46600-6524-T3A     | 24 V    | 2.7     | 64.80    | <a href="#">RFQ</a> |

## PROPRIETARY INFORMATION

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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. Input Rated Current: 1.5A RMS Max
04. Inrush Current: No damage at 240VAC Cold Start
05. Average Efficiency: 88% Min (CEC & DOE LEVEL VI Compliant); 89% Min (ErP European Commission's Ecodesign Directive (2005/32/EC) / CoC Tier 2 Compliant)
06. Input Power(no load): <0.21W (CEC & DOE Level VI Compliant); <0.15W (ErP European Commission's Ecodesign Directive (2005/32/EC) / CoC Tier 2 Compliant)
07. Line regulation:  $\pm 1\%$
08. Ripple Voltage: 200mV (p-p) (100-240V AC Input). Measuring is done by 20MHz bandwidth oscilloscope and terminated each output with a 10uf aluminum electrolytic capacitor and 0.1uf ceramic capacitor.

### B) PROTECTION

01. Over-Voltage: Electronically Protected Zener clamp across the output
02. Short Circuit: Electronically Protected unit will auto recover upon removal of fault
03. Over Temperature Protection: There shall be no ignition or smoke and deformation of case
04. 08. Over voltage protection: for 12V - 16V; for 15V - 20.25V, for 19V - 25.65, for 24V - 32.4V

### C) SAFETY

01. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
02. Earth Leakage Current: <3.5 mA at 240Vac input voltage
03. Touch Current: <0.25mA @ 240Vac input voltage
04. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006
05. 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: 1,500,000 hours @ 25°C ambient, full load (Telcordia SR-332, Issue 3)
02. Operating Temperature: 0°C to 40°C ambient temperature
03. Humidity: 10% to 90% relative humidity
04. Storage Temperature: -20°C to 70°C
05. Cooling: Convection
06. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

### E) ENCLOSURE

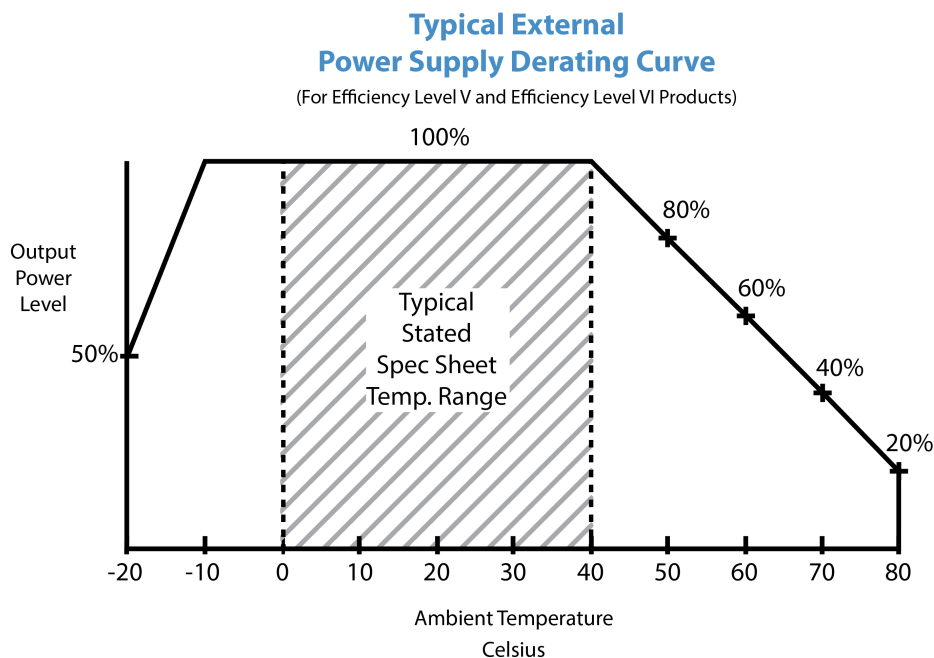
01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 121\*52\*33 +/-1.0 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case

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## DERATING CURVE

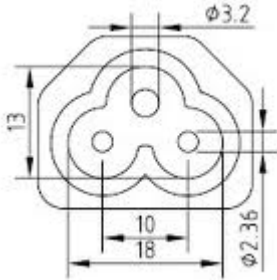


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## INPUT CONFIGURATION

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



Mates with IEC 60320/C5 Plug

### Standard International IEC 320/C5 Cordsets

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.

| Part Number / Link                | Country              | Plug                                          | Connector       | Length (mm) | Length (ft) |
|-----------------------------------|----------------------|-----------------------------------------------|-----------------|-------------|-------------|
| <a href="#">3021066F712(R)</a>    | N. American (Type B) | NEMA 5-15P                                    | IEC 320/C5 1880 | 6           |             |
| <a href="#">1191068F0712(R)</a>   | N. American (Type B) | NEMA 5-15P Hospital                           | IEC 320/C5 2459 | 8           |             |
| <a href="#">2194262M0712(R)</a>   | Argentina (Type I)   | IRAM 2073                                     | IEC320/C5 2050  | 6.7         |             |
| <a href="#">2064262M0712(R)</a>   | Australian (Type I)  | AS3112 / 3 PRONG                              | IEC 320/C5 2000 | 6.6         |             |
| <a href="#">204B4262M0712(R)</a>  | Brazil (Type N)      | BRAZIL                                        | IEC 320/C5 2000 | 6.6         |             |
| <a href="#">6023592M5712(R)</a>   | China (Type I)       | CCC GR2099                                    | IEC 320/C5 2500 | 8           |             |
| <a href="#">23144262M0712(R)</a>  | Europe (Type E)      | CEE 7/7                                       | IEC 320/C5 2050 | 6.6         |             |
| <a href="#">2313K3432M0712(R)</a> | Korea (Type F)       | KS C 8305                                     | IEC 320/C5 2000 | 6.6         |             |
| <a href="#">205IN4262M0712(R)</a> | India (Type D)       | India IS 1293 (also known as IA16A3 or BS546) | IEC320/C5 2000  | 6.6         |             |
| <a href="#">377C4262M0712(R)</a>  | Israel (Type H)      | ISL                                           | IEC320/C5 2050  | 6.7         |             |
| <a href="#">23024262M0712(R)</a>  | Italy (Type L)       | CEI 23-16/VII                                 | IEC 320/C5 2000 | 6.6         |             |
| <a href="#">3003316F0712(R)</a>   | Japan (Type B)       | JIS 8303 / 3 PINS                             | IEC 320/C5 1830 | 6           |             |
|                                   | Japan / USA          | JIS 8303 / 3 PINS +                           |                 |             |             |

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|                                      |                                                |                                        |                 |     |
|--------------------------------------|------------------------------------------------|----------------------------------------|-----------------|-----|
| <a href="#">3021066F0712ULPSE(R)</a> | (Type B)                                       | NEMA 5-15P                             | IEC 320/C5 1830 | 6   |
| <a href="#">2054262M0712(R)</a>      | S. Africa (Type D)                             | South Africa SABS164-1 (6A type plug)  | IEC320/C5 2050  | 6.7 |
| <a href="#">2084262M0712(R)</a>      | S.Africa (Type M)                              | South Africa SABS164-1 (16A type plug) | IEC 320/C5 2000 | 6.6 |
| <a href="#">23214262M0712(R)</a>     | Switzerland (Type J)                           | SEV 1011 ( EL 203)                     | IEC 320/C5 2000 | 6.6 |
| <a href="#">3003316F0712(R)</a>      | Taiwan (Type B) BSMI                           |                                        | IEC 320/C5 2000 | 6.6 |
| <a href="#">6104262M0712(R)</a>      | 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](#)

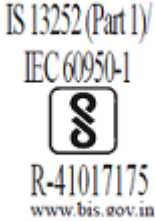
Contact GlobTek for your specific requirements or custom solutions.

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## Approvals

| Logo                                                                                | Description                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No Logo Applicable                                                                  | EU 230V CoC Tier 2, 278/2009, Mar 2014                                                                                                                                                                                                                                          |
|    | Bureau Of Indian Standards for:<br>GT-46181-0809-3.8-T3, 1209-3.05-T3, 1505-T3, 1605-T3, 1805-T3, 1809-3.05-T3, 1809-T3,<br>1812-2.0-T3-I812-T3, 1815-T3<br>GT-46600-6012-T3, 6012-T3A, 6015-1.8-T3, 6015-T3, 6015-T3A, 6024-5.0-T3, 6024-6.0-T3,<br>6024-T3, 6524-5.0, 6524-T3 |
|   | Taiwan BSMI; <a href="http://www.bsmi.gov.tw/wSite/ct?xItem=4072&amp;ctNode=816&amp;mp=2">http://www.bsmi.gov.tw/wSite/ct?xItem=4072&amp;ctNode=816&amp;mp=2</a><br>GT-46600-6012-T3, GT-46600-6015-1.8-T3, GT-46600-6015-1.8-T3A, GT-46600-6015-T3,<br>GT-46600-6012-T3A       |
| No Logo Applicable                                                                  | IEC 60335-1:2010+A1+A2                                                                                                                                                                                                                                                          |
| No Logo Applicable                                                                  | IEC 60950-1:2005 +A1:2009 +A2:2013                                                                                                                                                                                                                                              |
| No Logo Applicable                                                                  | CB for IEC 62368-1:2014 (Second Edition)                                                                                                                                                                                                                                        |
|  | CCC to GB4943.1-2011; GB/T9254-2008 GB17625.1-2012, Tropical <2000                                                                                                                                                                                                              |
|  | CE Certification Class II<br>CE Mark: tested to comply with EN 55032.2012+AC.2013 EN 61000-3-2.2014 EN 61000-3-3.2013<br>EN 55024.2010                                                                                                                                          |
|  | CE Mark: tested to comply with EN55022:2006/A1:2007 Class B, EN610003-2, EN610003-3<br>including EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11<br>EMI: Complies with EN55011 CLASS B and FCC Part 15B - On label or Molded in case              |

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|                                                                                                      |                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | 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%20Declaration%205-20-22.">http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.</a>                         |
| Conforms to UL STD. 62368-1<br>Certified to CSA STD C22.2<br>NO.62368-1                              | Conforms to UL STD. 62368-1<br>Certified to CSA STD C22.2 NO.62368-1                                                                                                                                                                                          |
|                     | UL60950-1, cULus to UL 60950-1, 2nd Edition, 2007-03-27 and CSA C22.2 No. 60950-1-07, 2nd Edition, 2007-03                                                                                                                                                    |
|                     | Declaration ДС № EAЭC N RU Д-US.KA01.B.10453_19 Custom Union of Russia, Belarus and Kazakhstan <a href="http://www.globtek.com/redirect/?loc=gost-certificate-eac-declaration">http://www.globtek.com/redirect/?loc=gost-certificate-eac-declaration</a>      |
|                    | Compliance of this power supply with FCC Part 15, Class B has been demonstrated with a standard output load. The FCC law stipulates that system-level testing is required to demonstrate compliance with the FCC emission limits with the actual system load. |
|                   | Indoor Use Only - Mark is on the label or Molded in the case                                                                                                                                                                                                  |
| 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                                                                                                                                                                                                                                    |
| No Logo                                                                                              | Malaysia ST Release Letter GT-46600 T2 -T3A<br>IEC60950-1(Ed.2): 2005 + A1:2009 + A2:2013 No logo                                                                                                                                                             |
|                   | Morocco SDoC declaration<br><a href="http://www.globtek.info/certs/Morocco%20SDoC%20Declaration/">http://www.globtek.info/certs/Morocco%20SDoC%20Declaration/</a>                                                                                             |
|                   | NOM (Mexico) to NOM-001-SCFI-2018 GT-46600-6524-T3; GT-46600-6524-T3A for 24V                                                                                                                                                                                 |

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|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>Energy Verified<br>Rendement Énergétique Vérifié | NRCAN Nemko for GT-46600-6012 (12V output) and GT-46600-6015 (15V output) only<br>Natural Resources Canada (NRCAN): CSA Standard C381.1-08, QSP NRCAN EEV1191;<br><a href="http://shop.csa.ca/en/canada/energy-efficiency/canca-c3811-08/invt/27024802008">http://shop.csa.ca/en/canada/energy-efficiency/canca-c3811-08/invt/27024802008</a> |
| <br>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:<br><a href="https://www.globtek.com/r2/Szj4Vb">https://www.globtek.com/r2/Szj4Vb</a>                                                                                       |
|  <b>SAA-210727-EA</b>                                | RCM certificate SAA-210727-EA; Australia and New Zealand Regulatory Compliance, Mark ( <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 2015/863-EU (ROHS-<br><a href="http://www.ce-mark.com/Rohs%20final.pdf">http://www.ce-mark.com/Rohs%20final.pdf</a>                                                                                                                                                   |
| إمدادات الطاقة                                                                                                                        | Saudi Arabia approval GT-46600-60VV-X.X-T3 IEC 60950-2005<br>(output voltage range is 12-24V)                                                                                                                                                                                                                                                 |
|                                                    | SGS GS to EN 60950-1:2006 + A11:2009+A1:2010+A12:2011+A2:2013 AFPS GS 2014:01 PAK                                                                                                                                                                                                                                                             |
|                                                    | UKCA Certification                                                                                                                                                                                                                                                                                                                            |
| <br>10276                                          | Ukraine UKRSepto (Document: <a href="http://www.globtek.com/html/iso_certificates/GT_Ukraine.pdf">www.globtek.com/html/iso_certificates/GT_Ukraine.pdf</a> )                                                                                                                                                                                  |
| <br>LISTED<br>4MU8<br>E341351                      | UL 62368-1 and CAN/CSA C22.2 No. 62368-1-14                                                                                                                                                                                                                                                                                                   |

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|                                                                                   |                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Japan: Voluntary Control Council for Interference (VCCI)                                                                                                                                                          |
|  | WEEE: Complies with EU 2012/19/EU ( <a href="http://ec.europa.eu/environment/waste/weee/index_en.htm">http://ec.europa.eu/environment/waste/weee/index_en.htm</a> )<br>Mark is on the label or Molded in the case |