

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

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

September 19, 2019

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

Information

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

Description GT-46240-24VV-x.x-T3, 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; cULus; S-Mark 60950; 230V CoC Tier 2; EAC; CE; China RoHS; Class I; IP52; Level VI; LPS; VCCI; PSE; RoHS; Ukraine; WEEE; RCM; CAN ICES-3; Korea (24V Only); CCC;

Model Picture



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

CE Declaration https://www.globtek.com/pdf/ec_declaration/a0Oa000000MjLiqEAF

RoHS/RoHS2 Declaration https://www.globtek.com/pdf/rohs_cert/a0Oa000000MjLiqEAF

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

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

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

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

September 19, 2019

Model Parameters

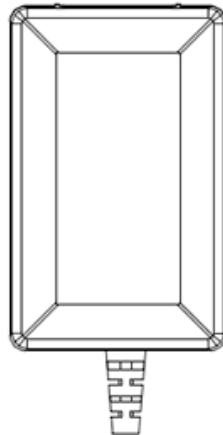
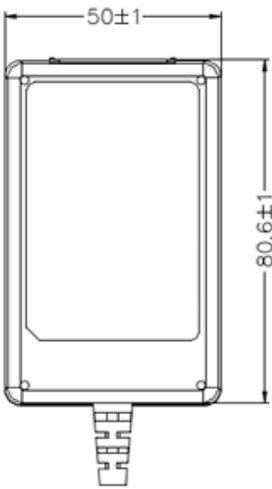
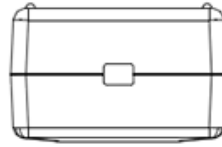
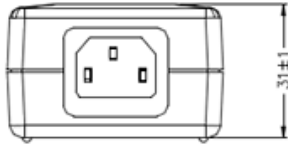
| | |
|--------------------|--|
| Type | Desktop/External |
| Technology | Regulated Switchmode AC-DC Power Supply AC Adaptor |
| Category | ITE Power Supply |
| Input Voltage | 100-240V~, 50-60 Hz |
| I/P Amps (A) | 0.6 A |
| Wattage (W) | 24.0 |
| Vout Range (V) | 12-24 |
| Efficiency Level | VI |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

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

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

September 19, 2019

ENCLOSURE



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

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

September 19, 2019

RATING TABLE

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

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

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

September 19, 2019

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 2011/65/EU and China SJ/T 11364-2014

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

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

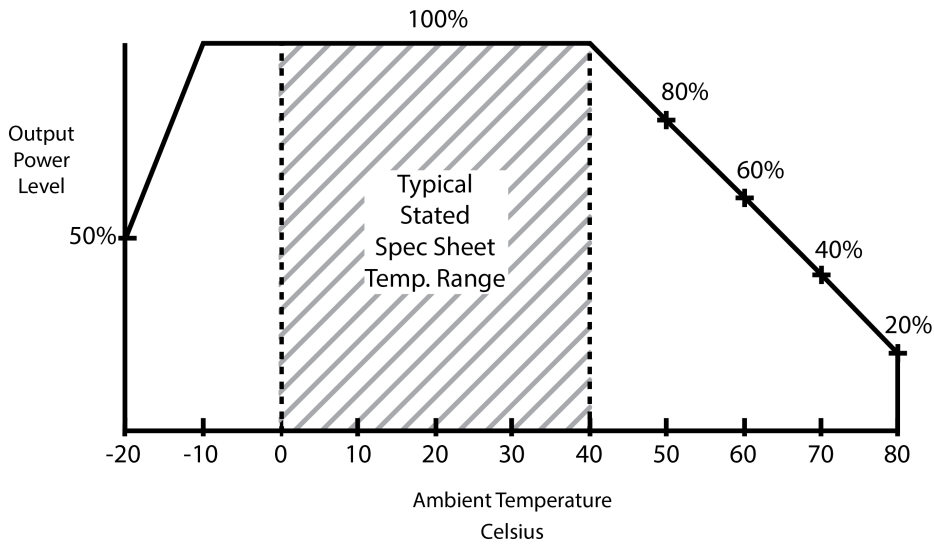
Model:GT-46240-24VV-x.x-T3

September 19, 2019

DERATING CURVE

**Typical External
Power Supply Derating Curve**

(For Efficiency Level V and Efficiency Level VI Products)



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

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

September 19, 2019

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) |
|---|----------------------|---|-------------|-------------|------|
| 3021457F701(R) | N. American (Type B) | NEMA 5-15P | IEC 320/C13 | 2150 | 7 |
| 1191068F0701(R) | N. American (Type B) | NEMA 5-15P Hospital | IEC 320/C13 | 2459 | 8 |
| 2194272M5701-T(R) | Argentina (Type I) | IRAM 2073 | IEC 320/C13 | 2500 | 8 |
| 5502022M5701A(R) | Australian (Type I) | AS3112 / 3 PRONG | IEC 320/C13 | 2500 | 8 |
| 204B4272M5701(R) | Brazil (Type N) | BRAZIL | IEC 320/C13 | 2500 | 8 |
| 6023602M5701(R) | China (Type I) | CCC GR2099 | IEC 320/C13 | 2500 | 8 |
| G8014272M5701(R) | Danish (Type K) | AFSNIT SECTION 107-2-D1 | IEC 320/C13 | 2500 | 8 |
| 23144272M5701-T(R) | Europe (Type E) | CEE 7/7 | IEC 320/C13 | 2500 | 8 |
| 205IN4272M5701(R) | India (Type D) | India IS 1293 (also known as IA16A3 or BS546) | IEC 320/C13 | 2500 | 8 |
| 208IN4272M5701(R) | India (Type M) | India IS 1293 (also known as IA16A3 or BS546) | IEC320/C13 | 2500 | 8 |
| 377C4272M5701(R) | Israel (Type H) | ISL 377C | IEC 320/C13 | 2500 | 8 |
| 23024272M5701(R) | Italy (Type L) | CEI 23-16/VII | IEC 320/C13 | 2500 | 8 |
| 3003339F701(R) [3x1.25mm2] | Japan (Type B) | JIS 8303 / 3 PINS | IEC 320/C13 | 2500 | 8 |

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

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

September 19, 2019

| | | | | | | |
|--|--|--|-------------|------|---|--|
| 3003068F2701-HK(R) [3 x 2.0mm2] | | | | | | |
| 302J115J6F0701J(R) | Japan / North America (Type B – 12A) | JIS 8303 / 3 PINS and NEMA 5-15P (PSE and UL/CUL appr) | IEC 320/C13 | 1830 | 6 | |
| 302J104J6F0701J(R) | Japan / North America (Type B – 15A) | JIS 8303 / 3 PINS and NEMA 5-15P (PSE and UL/CUL appr) | IEC 320/C13 | 1830 | 6 | |
| 2313K3432M5701(R) | Korea (Type F) | KS C 8305 | IEC 320/C13 | 2500 | 8 | |
| 5804272M5701(R) | Russia (Type F) | GOST 7396 | IEC 320/C13 | 2500 | 8 | |
| 2084272M5701(R) | South Africa (Type M) | South Africa SABS164-1 (16A type) | IEC 320/C13 | 2500 | 8 | |
| 23214272M5701(R) | Switzerland (Type J) | SEV 1011 | IEC 320/C13 | 2500 | 8 | |
| 3003322M5701(R) | Taiwan (Type B) | BSMI | IEC 320/C13 | 2500 | 8 | |
| PZ0800100-2M5BK13H(R) | UK, Hong Kong, Singapore, Gulf States (Type G) | BS 1363A | IEC 320/C13 | 2500 | 8 | |
| 7055002M5701A(R) | International | IEC 320 C14-C13 | IEC 320/C13 | 2500 | 8 | |

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

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

September 19, 2019

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.

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

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

September 19, 2019










Approvals

| | Logo | Description |
|--|---|---|
| No Logo Applicable | | EU 230V CoC Tier 2, 278/2009, Mar 2014 |
| 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, 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 |
|  | | CHINA SJ/T 11364-2014, China RoHS Chart: http://en.globtek.com/globtek-rohs.php |
|  | | UL 60950-1, 2nd Edition, 2014-10-14 (Information Technology Equipment - Safety - Part 1: eneral Requirements) CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10 (Information Technology Equipment - Safety - Part 1: General Requirements) |
|  | | Declaration DC № EAЭC N RU Д-US.KA01.B.10453_19 Custom Union of Russia, Belarus and Kazakhstan http://www.globtek.com/redirect/?loc=gost-certificate-eac-declaration |
| CAN ICES-3(B)/NMB-3(B) | | Compliance of this PSU with Industry Canada, Class B demonstrated with a standard output load. The ICES law stipulates that system-level testing is required to demonstrate compliance with the ICES-3 emission limits with the actual system load. |
|  | | Bureau Of Indian Standards for GT-46240-T3/T3A) (12V, 15V, 18V, 19V, 24V only) |
|  IP52 | | Indoor Use Only - Mark is on the label or Molded in the case 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) |

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

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

September 19, 2019

| | |
|---|---|
|  직류전원장치 AC/DC ADAPTER KTC HU10499-16028A MSIP-REM-GSZ-46240-2424-T3 전기용품안전관리법에 의한 표시 최저소비효율기준 만족 제품 모델명:GT-46240-2424-T3 <hr/> Mfr. Name: GLOBTEK (SUZHOU) CO.,LTD A/S Center: 10-6221-6100 | Korea KET KC Mark GT-46240-24xx-T3 HU10499-16028A (24V, 20V and 18V Only) |
|  직류전원장치 AC/DC ADAPTER KTC HU10499-16028A 모델명:GT-46240-2424-4.0-T3 <hr/> Mfr. Name: GLOBTEK (SUZHOU) CO.,LTD A/S Center: 10-6221-6100 | |
|  직류전원장치 AC/DC ADAPTER KTC HU10499-16028A 모델명:GT-46240-2424-6.0-T3 <hr/> Mfr. Name: GLOBTEK (SUZHOU) CO.,LTD A/S Center: 10-6221-6100 | |
| 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 |
|  | 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: |
| GlobTek, Inc. | http://en.globtek.com/importing-to-japan.php . |
|  N136 SAA-160907-EA | RCM certificate SAA-160907-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 |
|  | S-Mark Certificate EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 +A2:2013 (http://www.intertek.com/marks/s/) |
|  | 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 |