

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

Model:GT-46600-WVVV-X.X-T2

May 25, 2019

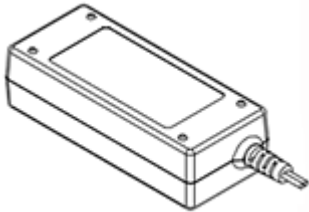
## DOE EPS 2.0 Level VI Power Supply / Charger / AC Adapter, 60W Desktop/Tabletop, Available with 5-24VDC output Certified to 60950 ITE Standards

### Information

Model Number GT-46600-WVVV-X.X-T2

Description GT-46600-WVVV-X.X-T2, ITE Power Supply, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C8 AC Inlet connector, Class II, Non-Earth Ground (aka "Figure-8"), Output Rating: 60 Watts, Power rating with convection cooling (W) , 12-24V in 0.1V increments, Approvals: 230V CoC Tier 2; Saudi; CB 60335; EAC; CB 60950; FCC; cULus; CE; CE; China RoHS; Double Insulation; Level VI; LPS; PSE; RoHS; Ukraine; VCCI; WEEE; CCC; PSE; RCM; SGS (GS);

### Model Picture



Agency Documents <http://www.globtek.info/certs/GT-46600-60VV-X.X/>  
CE [https://www.globtek.com/pdf/ec\\_declaration/a0Oa000000MikA1EAJ](https://www.globtek.com/pdf/ec_declaration/a0Oa000000MikA1EAJ)  
EC-Declaration  
RoHS/RoHS2 Declaration [https://www.globtek.com/pdf/rohs\\_cert/a0Oa000000MikA1EAJ](https://www.globtek.com/pdf/rohs_cert/a0Oa000000MikA1EAJ)  
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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May 25, 2019

**Model Parameters**

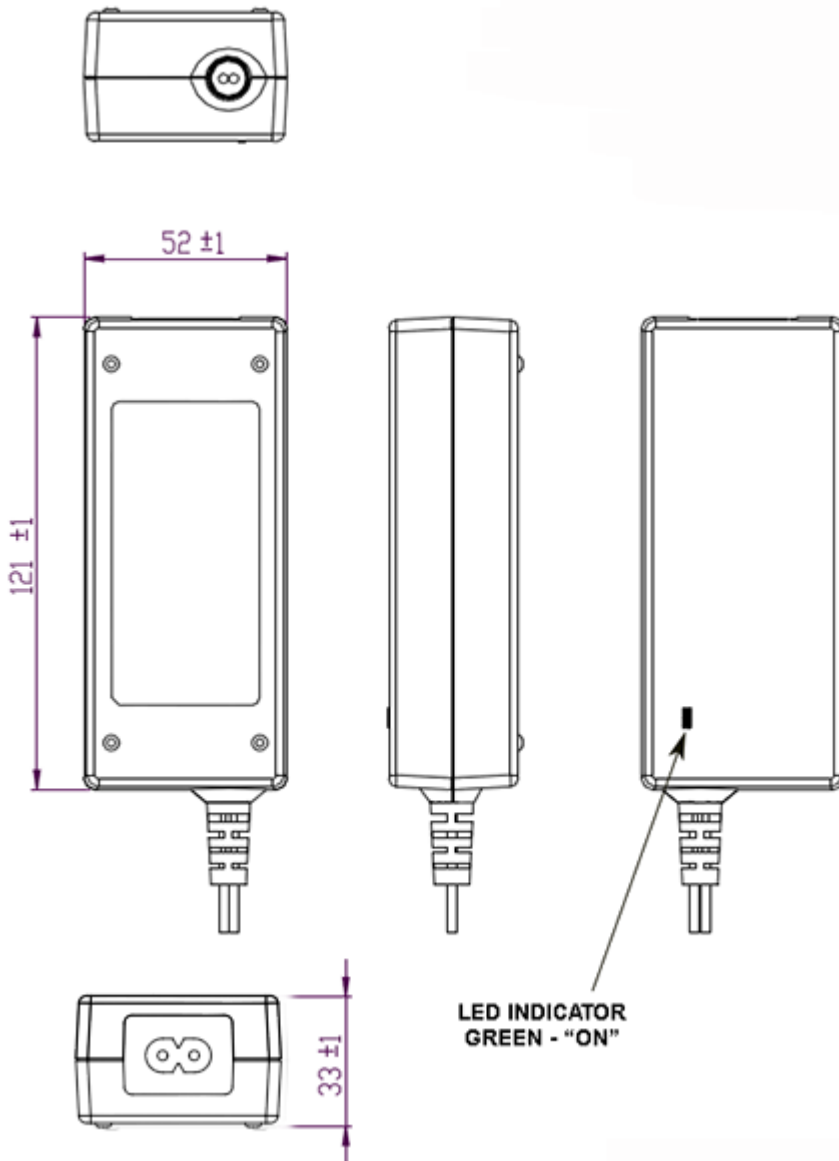
Type	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1.5A
Wattage (W)	60.0
Vout Range (V)	12-24
Efficiency Level	VI
Ingress Protection	IPX0
Size (mm)	121*52*33

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ENCLOSURE



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May 25, 2019

**RATING TABLE**

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-46600-6012-T2	12 V	5	60.00	<a href="#">RFQ</a>
GT-46600-6015-2.0-T213	V	4.61	59.93	<a href="#">RFQ</a>
GT-46600-6015-2.0-T214	V	4.28	59.92	<a href="#">RFQ</a>
GT-46600-6015-T2	15 V	4	60.00	<a href="#">RFQ</a>
GT-46600-6024-8.0-T216	V	3.75	60.00	<a href="#">RFQ</a>
GT-46600-6024-7.0-T217	V	3.52	59.84	<a href="#">RFQ</a>
GT-46600-6024-6.0-T218	V	3.34	60.12	<a href="#">RFQ</a>
GT-46600-6024-5.0-T219	V	3.15	59.85	<a href="#">RFQ</a>
GT-46600-6524-5.0-T219	V	3.42	64.98	<a href="#">RFQ</a>
GT-46600-6524-4.0-T220	V	3.25	65.00	<a href="#">RFQ</a>
GT-46600-6524-3.0-T221	V	3.09	64.89	<a href="#">RFQ</a>
GT-46600-6524-2.0-T222	V	2.95	64.90	<a href="#">RFQ</a>
GT-46600-6524-1.0-T223	V	2.82	64.86	<a href="#">RFQ</a>
GT-46600-6524-T2	24 V	2.7	64.80	<a href="#">RFQ</a>
GT-46600-6024-T2	24 V	2.5	60.00	<a href="#">RFQ</a>

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May 25, 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. 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 Tier2 Compliant)
06. Input Power(no load): <0.21W (CEC &DOE Level VI Compliant); <0.15W (ErP Tier2 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. Touch Current: <0.25mA @ 240Vac input voltage
03. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

**D) OTHER:**

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 40°C ambient temperature
03. Humidity: 10% to 90% relative humidity
04. Storage Temperature: -10°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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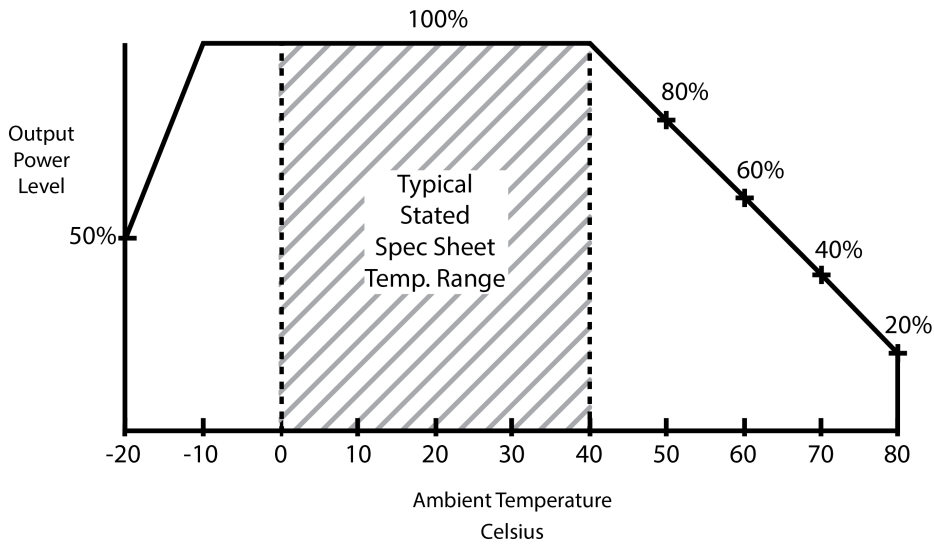
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May 25, 2019

**DERATING CURVE**

**Typical External  
Power Supply Derating Curve**

(For Efficiency Level V and Efficiency Level VI Products)



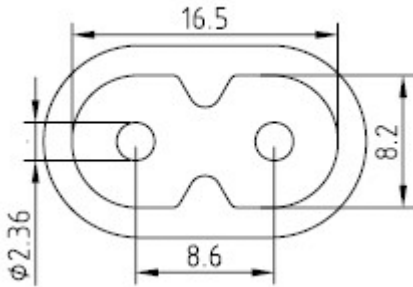
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May 25, 2019

**Input Configuration**

Description IEC 60320/C8 AC Inlet connector, Class II, Non-Earth Ground (aka "Figure-8")



Mates with IEC 60320/C7 Plug

Below are standard cordsets which are "not included" (unless stated above); these may be purchased separately or packaged with the power supply. Please 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

<a href="#">2094112M703(R)</a> Argentina (Type I)	IRAM 2063	IEC 320/C7	20007
<a href="#">5014112M703A(R)</a> Australian (Type I)	AS 3112	IEC 320/C7	20007
<a href="#">207B4111M8703(R)</a> Brazil (Type N)	NBR14136	IEC 320/C7	18006
<a href="#">4533501M8703(R)</a> China (Type A)	GB 2099.1	IEC 320/C7	18306
<a href="#">2074112M703A(R)</a> European (Type C)	CEE 7/16	IEC 320/C7	20007
<a href="#">2084111M8703(R)</a> India (Type M)	BS 546	IEC 320/C7	18006
<a href="#">451J3401M8703(R)</a> Japan (Type A)	JIS 8303	IEC 320/C7	18306
<a href="#">2044112M703A(R)</a> Korea (Type C)	KS C8305	IEC 320/C7	20007
<a href="#">4511116F703A(R)</a> N. American (Type A)	NEMA 1-15P	IEC 320/C7	18306
<a href="#">4033401M8703A(R)</a> Taiwan (Type A)	CNS690	IEC 320/C7	18306
<a href="#">6104112M703A(R)</a> UK, Hong Kong, Singapore, Gulf States (Type G)	BS1363	IEC 320/C7	20007

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Model:GT-46600-WVVV-X.X-T2

May 25, 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.











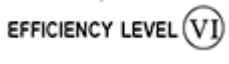




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May 25, 2019

## Approvals

Logo	Description
No Logo Applicable	EU 230V CoC Tier 2, 278/2009, Mar 2014
No Logo Applicable	IEC 60335-1:2010+A1+A2
No Logo Applicable	IEC 60950-1:2005 +A1:2009 +A2:2013
	CCC to GB4943.1-2011; GB/T9254-2008 GB17625.1-2012, Tropical <2000
	CE Certification Class II
	CE Mark: tested to comply with EN 55032.2012+AC.2013 EN 61000-3-2.2014 EN 61000-3-3.2013 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
	CHINA SJ/T 11364-2014, China RoHS Chart: <a href="http://en.globtek.com/globtek-rohs.php">http://en.globtek.com/globtek-rohs.php</a>
	UL60950-1, cULus to UL 60950-1 E170507
	Declaration # EA3C N RU Д-US.AД75.B.01052 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
	JAPAN TUV R-PSE, Cert. No. JD 50313287, to J60950-1(H26) , J55022(H22),J3000(H25)[15V or less]. Please reference the following website for guidelines on PSE regulations: <a href="http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/">http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/</a>
	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: <a href="http://en.globtek.com/importing-to-japan.php">http://en.globtek.com/importing-to-japan.php</a> .
	RCM certificate SAA-161532-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-3) <a href="http://www.ce-mark.com/Rohs%20final.pdf">http://www.ce-mark.com/Rohs%20final.pdf</a>

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May 25, 2019

إمدادات الطاقة



Saudi Arabia approval GT-46600-60VV-X.X-T3 IEC 60950-2005  
(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



Ukraine UKRSepr (Document: [www.globtek.com/html/iso\\_certificates/GT\\_Ukraine.pdf](http://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](http://ec.europa.eu/environment/waste/weee/index_en.htm))  
Mark is on the label or Molded in the case