

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

Model:GT-41052-WWVV-X.X-Q Class 2

May 6, 2024

GT-41052-WWVV-X.X-Q Class 2

Information

Model Number

GT-41052-WWVV-X.X-Q Class 2

Description

GT-41052-WWVV-X.X-Q Class 2, ICT/ITE Power Supply, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, Blade Options for Q Series Wall Plug-in Power Supplies, Output Rating: 15 Watts, Power rating with convection cooling (W) , 5-48V in 0.1V increments, Approvals: India BIS; cULus; cULus UL1310; Morocco; UKCA; Taiwan BSMI (5V only); CB 60950; CCC; CE; China RoHS; Double Insulation; FCC; GOST-R; IP52; Korea (5V Only); Korea (7V Only); Korea (9V Only); Korea (12V Only); Level IV; Level V (24-48V); Level V ,24V & 1830/; LPS 60950; NrCAN; PSE; RoHS; SIQ; Ukraine; VCCI; WEEE; RCM;

Model Picture



Agency Documents

<http://www.globtek.info/certs/GT-41052/>

CE EC-Declaration

https://www.globtek.com/pdf/ec_declaration/a00a000000MEtWXEA1

RoHS/RoHS2 Declaration

https://www.globtek.com/pdf/rohs_cert/a00a000000MEtWXEA1

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
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)	15.0
Vout Range (V)	5-48
Efficiency Level	V/IV see Approvals
Ingress Protection	IP52
Size (mm)	43.5* 74.0* 35.3

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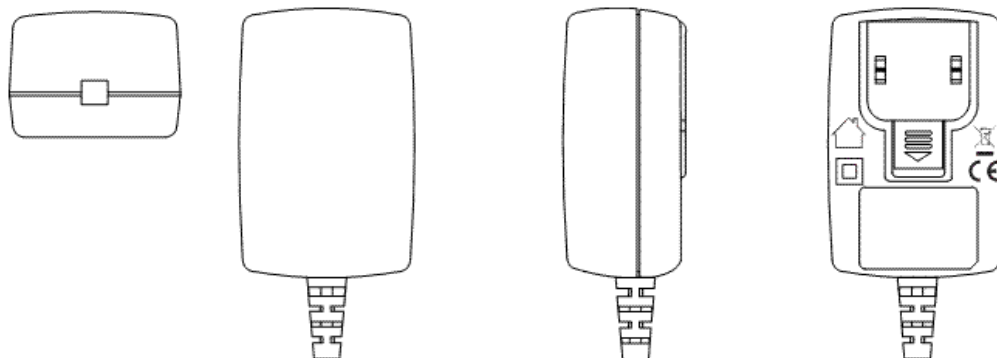
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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-41052-1512 Class 2	12 V	1.25	15.00	RFQ

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. Output Load Regulation: +/- 5% measured at the output connector
04. Line Voltage Regulation: +/- 1% typical measured at the output connector
05. Output Ripple (Vp-p): +/-1% or 150 mV 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% maximum, 500uS max recovery time for 25% step load
07. Turn-ON Delay: 3000 mS, maximum
08. Hold-Up Time: 10 mS minimum at nominal input and full load
09. Inrush Current: 30A maximum at cold start 120VAC, 60A maximum cold start 230VAC
10. Switching Frequency: 66.5 KHz typical

B) PROTECTION

01. Over-Voltage: Protected. Unit will auto recover upon removal of fault
02. Over current: Protected. Unit will auto recover upon removal of fault
03. Short Circuit: Protected. Unit will auto recover upon removal of fault
04. Input Protection: Input line fusing

C) SAFETY

01. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
02. Touch Current: <0.25mA @ 240Vac input voltage

D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 40°C ambient temperature
03. Humidity: 0% to 90% relative humidity
04. Storage Temperature: -10°C to 80°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: 43.5 x 74.0 x 35.3+/-1.0 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case

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DERATING CURVE

Model:GT-41052-WWVV-X.X-Q Class 2

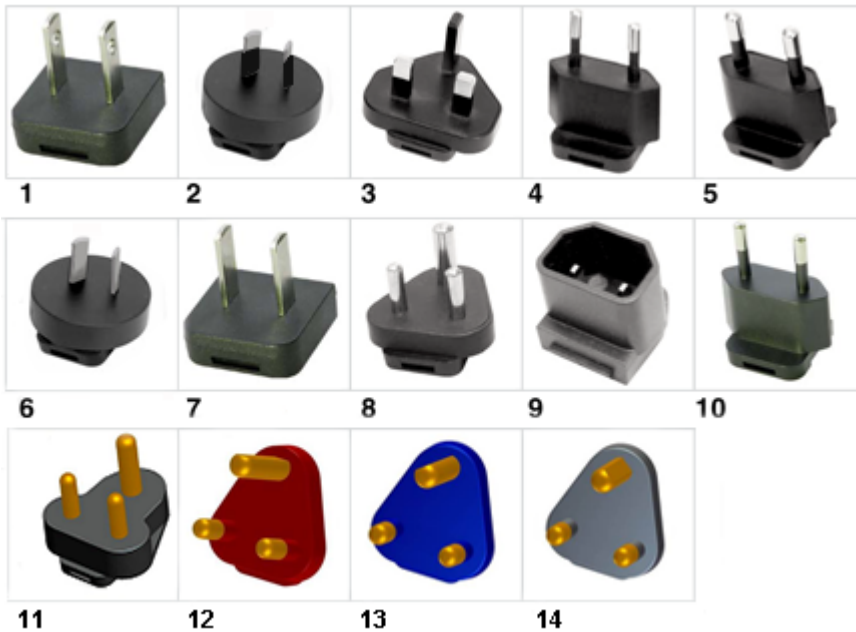
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INPUT CONFIGURATION

Description Blade Options for Q Series Wall Plug-in Power Supplies

Data Sheet: <http://en.globtek.com/interchangeable-blades.php>

Insertion Instructions: <http://www.globtek.com/pdf/Instructions-Interchangeable-Blades.pdf>

Video: [Q-Blade Style Instruction Video](#)


INPUT CONNECTOR: Q-Socket (below are available blades configurations which are "not included" (unless stated above); can be purchased separately, package with power supply or as a separate "Q-KIT" if specified

01. United States / Canada / Japan NEMA 1-15P/ IEC PLUG Type A [WORKS IN PLUG B] configuration: NA 2 blades, Class II; US/CA/JP P/N: Q-NA(R)
02. Australian AS 3112 configuration: SAA 2 blade/ IEC TYPE I, Class II; AU P/N: Q-SAA(R)
03. UK BS 1363 configuration: UK 3 blade with dummy Ground/ IEC TYPE G, Class II; GB P/N: Q-UK(R)
04. European CEE 7/16 configuration: Europlug 2 pins/ IEC TYPE C [WORKS IN TYPE E&F], Class II; EU P/N: Q-EU(R)
05. Korean KS C8305 configuration: 2 pins/SIMILAR TO IEC TYPE C, Class II; KR P/N: Q-KR(R)
06. Argentina IRAM 2073 configuration: 2 blades/SIMILAR TO IEC TYPE I; AR P/N: Class II Q-AR(R)
07. China GB 2099 configuration: 2 blades/SIMILAR TO TYPE A, Class II; CN P/N: Q-CN(R)
08. India IS 1293 6A/BS546 configuration: 5A, 3 pins with Dummy Ground, Class II/IEC TYPE D; IN P/N: Q-IN(R)
09. IEC60320/C18 Inlet, Class II; P/N: Q-C18(R)
10. Brazilian NBR6147 configuration: 2 pins, Class II;SIMILAR TO IEC TYPE C BR P/N: Q-BR(R)
11. South Africa SABS164-1 and India IS 1293, IS694, 16A type plug, 3 round prongs, Class II + dummy ground, IEC TYPE M P/N: Q-SANS164-1-16A(R)
12. South Africa SABS164-4, 3 round prongs with a notched prong @ 0°, Class II + dummy ground, IEC TYPE M Red, P/N: Q-SANS164-4C-16A(R)

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13. South Africa SABS164-4, 3 round prongs with a notched prong @ -53°, Class II + dummy ground, Blue, IEC TYPE M,
P/N:

Q-SANS164-4L-16A(R)

14. South Africa SABS164-4, 3 round prongs with a notched prong @ +53°, Class II + dummy ground, Black, IEC TYPE M
P/N:

Q-SANS164-4R-16A(R)

Kits

01. Q-KIT: 1,2,3,4 above

02. Q-KIT-INTL: 2,3,4 above

03. Q-KIT-6: 1,2,3,4,5,6 above

04. Q-KIT-7: 1,2,3,4,5,6,7 above

05. Q-KIT-8: 1,2,3,4,5,6,7,8 above

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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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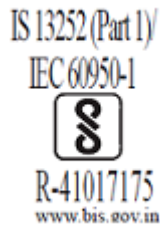
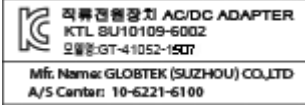
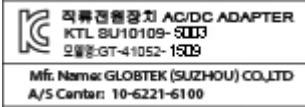
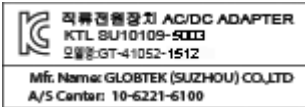
Approvals

Logo	Description
 R32282 RoHS (Pb)	Taiwan BSMI 5V design only; http://www.bsmi.gov.tw/wSite/ct?xItem=4072&ctNode=816&mp=2
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
 仅适用于在海拔2000m以下地区使用 仅适用于在正常气候条件下使用	CCC to GB4943.1-2011 GB9254-2008 GB17625.1-2012
	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 EN61000-4-1 EMI: Complies with EN55011 CLASS B and FCC Part 15 B
	CHINA SJ/T 11364-2014, China RoHS Chart: http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22
 cULus LISTED 4MU8 E170507	UL60950-1, cULus to UL 60950-1, 2nd Edition, 2007-03-27 and CSA C22.2 No. 60950-1-07, 2nd Edition, 2007-03
	
	FCC PART 15 CLASS B
	GOST-R mark for Russia(Document: http://www.globtek.com/html/iso_certificates/GT_GOST-R.p 03/15/2015. Due to lack of demand, GlobTek will not be renewing it's GOST certification. Please contact your sales engineer for pricing on EAC.

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	Bureau Of Indian Standards for GT-41052
	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 (no harmful deposit) and Protected against direct sprays up to 15 degrees from the vertical (with R-Blades)
	Korea KET KC Mark GT-41052-1305 SU10109-6002 (5V Only)
	Korea KET KC Mark GT-41052-1507 SU10109-6002 (7V Only)
	Korea KET KC Mark GT-41052-1509 SU10109-5003 (9V Only)
	Korea KET KC Mark GT-41052-1512 SU10109-5003 (12V Only)
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)
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)... NOTE: 24V & 1830 mm 18awg o/p cord only

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LPS	Limited Power Source 60950
	Morocco SDoC declaration http://www.globtek.info/certs/Morocco%20SDoC%20Declaration/
 EEV1191	Natural Resources Canada (NRCAN): CSA Standard C381.1-08, QSP NRCAN EEV1191; http://shop.csa.ca/en/canada/energy-efficiency/canicsa-c3811-08/inv/27024802008
 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-160017-EA	RCM certificate SAA-160017-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) http://www.ce-mark.com/Rohs%20final.pdf
 IEC/EN60950-1	SIQ Mark License Certificate EN 60950-1:2006 + Am 1:2010+ Am 11:2009 + Am 12:2011
	UKCA Certification
 10276	Ukraine UKRsepro (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
	UL cULus LISTED UL 1310 Class 2 8B30 E132594

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	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