

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

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

July 16, 2019

## 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, 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: Taiwan BSMI; 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; NrCAN; PSE; RoHS; SIQ; Ukraine; VCCI; WEEE; cUL 1310; RCM;

Model Picture



Agency Documents <http://www.globtek.info/certs/GT-41052/>  
CE [https://www.globtek.com/pdf/ec\\_declaration/a0Oa000000MEtWXEA1](https://www.globtek.com/pdf/ec_declaration/a0Oa000000MEtWXEA1)  
EC-Declaration  
RoHS/RoHS2 [https://www.globtek.com/pdf/rohs\\_cert/a0Oa000000MEtWXEA1](https://www.globtek.com/pdf/rohs_cert/a0Oa000000MEtWXEA1)  
Declaration  
REACH [https://www.globtek.com/pdf/iso\\_certificates/REACH.pdf](https://www.globtek.com/pdf/iso_certificates/REACH.pdf)  
Declaration  
Conflict  
Minerals <https://www.globtek.com/pdf/conflict-minerals.pdf>  
Declaration

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**Model Parameters**

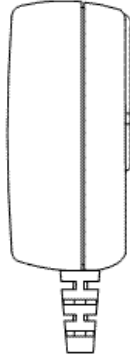
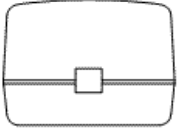
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.6 A
Wattage (W)	15.0
Vout Range (V)	5-48
Efficiency Level	V/IV see Approvals
Ingress Protection	IP52
Size (mm)	43.5* 74.0* 35.3

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ENCLOSURE



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**RATING TABLE**

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-41052-1512 Class	212 V	1.25	15.00	<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. 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

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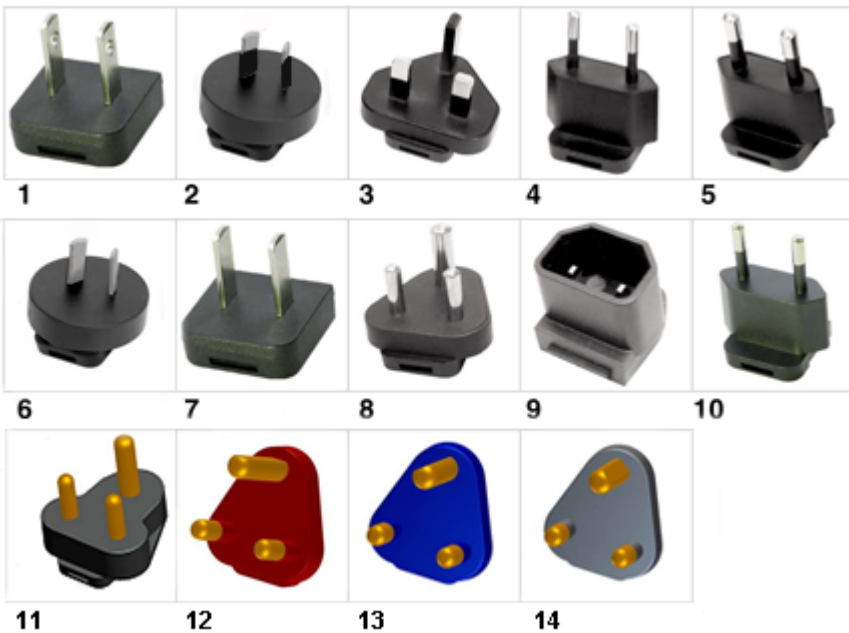
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**Input Configuration**

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 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. IEC320/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, 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-SANS164-4L-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-SANS164-4C-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; <a href="http://www.bsmi.gov.tw/wSite/ct?xItem=4072&amp;ctNode=8167=2">http://www.bsmi.gov.tw/wSite/ct?xItem=4072&amp;ctNode=8167=2</a>
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
 <small>仅适用于海拔2000m以下地区使用 仅适用于非热带气候条件下使用</small>	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 EN61000-4-11; EMI: Complies with EN55011 CLASS B and FCC Part 15 B
	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>
	FCC PART 15 CLASS B
	GOST-R mark for Russia(Document: <a href="http://www.globtek.com/html/iso_certificates/GT_GOST-R.pdf">http://www.globtek.com/html/iso_certificates/GT_GOST-R.pdf</a> ). 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.
 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)
	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: 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)

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<b>EFFICIENCY LEVEL</b>		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
<b>EFFICIENCY LEVEL</b>		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: 15V & 1800 mm 20awg o/p cord only
LPS  EEV1191		Limited Power Source Natural Resources Canada (NRCAN): CSA Standard C381.1-08, QSP NRCAN EEV1191; <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>
 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: <a href="http://en.globtek.com/importing-to-japan.php">http://en.globtek.com/importing-to-japan.php</a> .
 <b>N136</b> <b>SAA-160017-EA</b>		RCM certificate SAA-160017-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>
 IEC/EN60950-1		SIQ Mark License Certificate EN 60950-1:2006 + Am 1:2010+ Am 11:2009 + Am 12:2011
 10276 CLASS 2 POWER UNIT		Ukraine UKRSepro (Document: <a href="http://www.globtek.com/html/iso_certificates/GT_Ukraine.pdf">www.globtek.com/html/iso_certificates/GT_Ukraine.pdf</a> )
 LISTED 40HS E132594		UL cULus LISTED UL 1310 Class 2 4KH6 E132594 GT-41052 Up to 24 volts (Optional)
 		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> ) Mark is on the label or Molded in the case