

Model:GT-43007-40VV-Q

April 27, 2024

UL 1310 Class 2 & 60950-1 Power Supply, 40W, wall plug in with changeable blades available from 12~48VDC output

Information

Model Number	GT-43007-40VV-Q
Description	GT-43007-40VV-Q, ICT/ITE Power Supply/Class 2 Power Unit, 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: 40 Watts, Power rating with convection cooling (W) , 12-48V in 0.1V increments, Approvals: EAC; UKCA; China RoHS; VCCI; RoHS; Level V; PSE; LPS 60950; CB 60950; cETLus UL1310; cETLus UL1310; SELV; FCC; CB 60950; S-Mark 60950; IP52; Double Insulation; CE; WEEE; cULus; CCC; PSE;

Model Picture



Agency Documents	http://www.globtek.info/certs/GT-43007%20Interchangeable/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0030000008UmvBEAS
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0030000008UmvBEAS
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

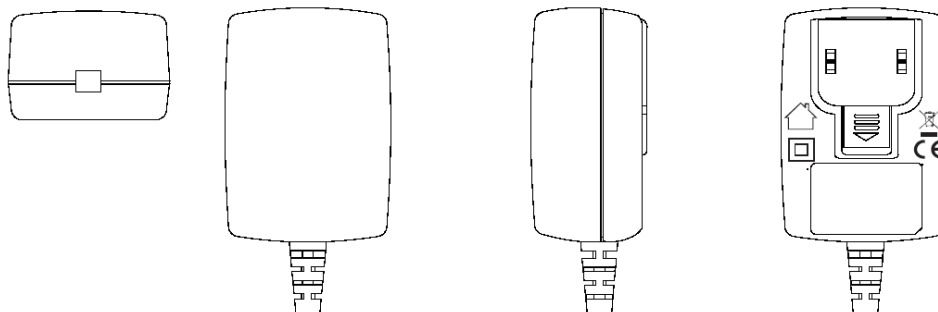
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply/Class 2 Power Unit
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1.0A
Wattage (W)	40.0
Vout Range (V)	12-48
Efficiency Level	V
Ingress Protection	IP52
Size (mm)	43.5 x 74.0 x 35.3

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-43007-3612	12 V	3	36.00	RFQ
GT-43007-3012	12 V	2.5	30.00	RFQ
GT-43007-3212	12 V	2.67	32.04	RFQ
GT-43007-4024-10.5	13.5 V	2.96	39.96	RFQ
GT-43007-3024-9.0	15 V	2.66	39.90	RFQ
GT-43007-3824-9.0	15 V	2.5	37.50	RFQ
GT-43007-4024-9.0	15 V	2.66	39.90	RFQ
GT-43007-4024-5.0	19 V	2.1	39.90	RFQ
GT-43007-4024-6.0	19 V	2.2	41.80	RFQ
GT-43007-3024-5.0	19 V	1.57	29.83	RFQ
GT-43007-4024-4.0	20 V	2	40.00	RFQ
GT-43007-3024-4.0	20 V	1.5	30.00	RFQ
GT-43007-4024	24 V	1.67	40.08	RFQ
GT-43007-3024	24 V	1.25	30.00	RFQ
GT-43007-4036	36 V	1.1	39.60	RFQ
GT-43007-4048	48 V	0.833	39.98	RFQ

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

- 01. Input Voltage: Specified 90-264 Vac, Nameplate rated 100-240 Vac
- 02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60 Hz
- 03. Output Regulation: +/- 5% measured at the output connector
- 04. Line Voltage Regulation: +/- 1% typical measured 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 230 Vac
- 10. Switching Frequency: 65 KHz typical

B) PROTECTION

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

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: 0% to 90% relative humidity
- 04. Storage Temperature: -40°C to 80°C
- 05. Cooling: Convection

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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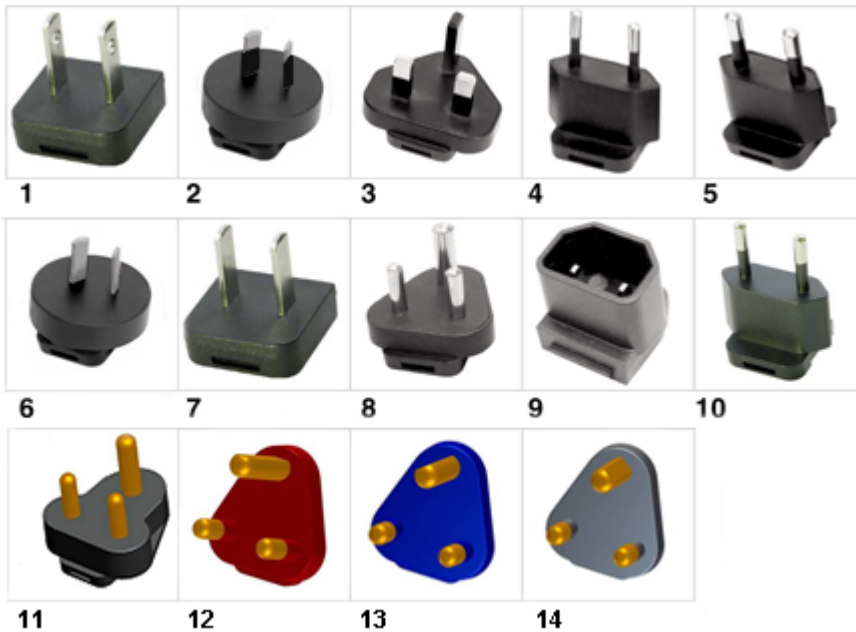
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INPUT CONFIGURATION

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 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:



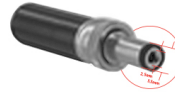
L Type (Coaxial
5.5x2.5mm plug)



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
No Logo Applicable	CB report 60950-1 2nd Ed
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
	CCC to GB4943.1-2011; GB/T9254-2008 GB17625.1-2012, Tropical <2000
	CE Mark: tested to comply with EN 55032.2012+AC.2013, 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
	Conforms to UL Std. 1310 CLASS 2 Power Units Cert. to CSA Std. C22.2 NO. 223 Up to 36 volts
 Intertek Class 2 Power Unit	cETLus-Cert 4007497 UL1310 Recognized Component up to 42.4 volts
	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.pdf
	UL60950-1, cULus to UL 60950-1, 2nd Edition, 2007-03-27 and CSA C22.2 No. 60950-1-07, 2nd Edition, 2007-03
	
	Certification # TC RU AR46.B.75423 Custom Union of Russia, Belarus and Kazakhstan

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	FCC PART 15 CLASS B
	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
 GlobTek, Inc.	JAPAN TUV R-PSE, Cert. No. JD 50473430, to J62368-1(H30) , J55032(H29),J3000(H25)[15V or less]. Please reference the following website for guidelines on PSE regulations: https://www.globtek.com/r2/Szj4Vb
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
 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
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
 Intertek	S-Mark Certificate EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011+A2:2013 (http://www.intertek.com/marks/s/)
SELV	safety/separated extra-low voltage IEC 60950-1: 2005 (2nd Edition) and/or EN 60950-1:2006
	UKCA Certification
	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

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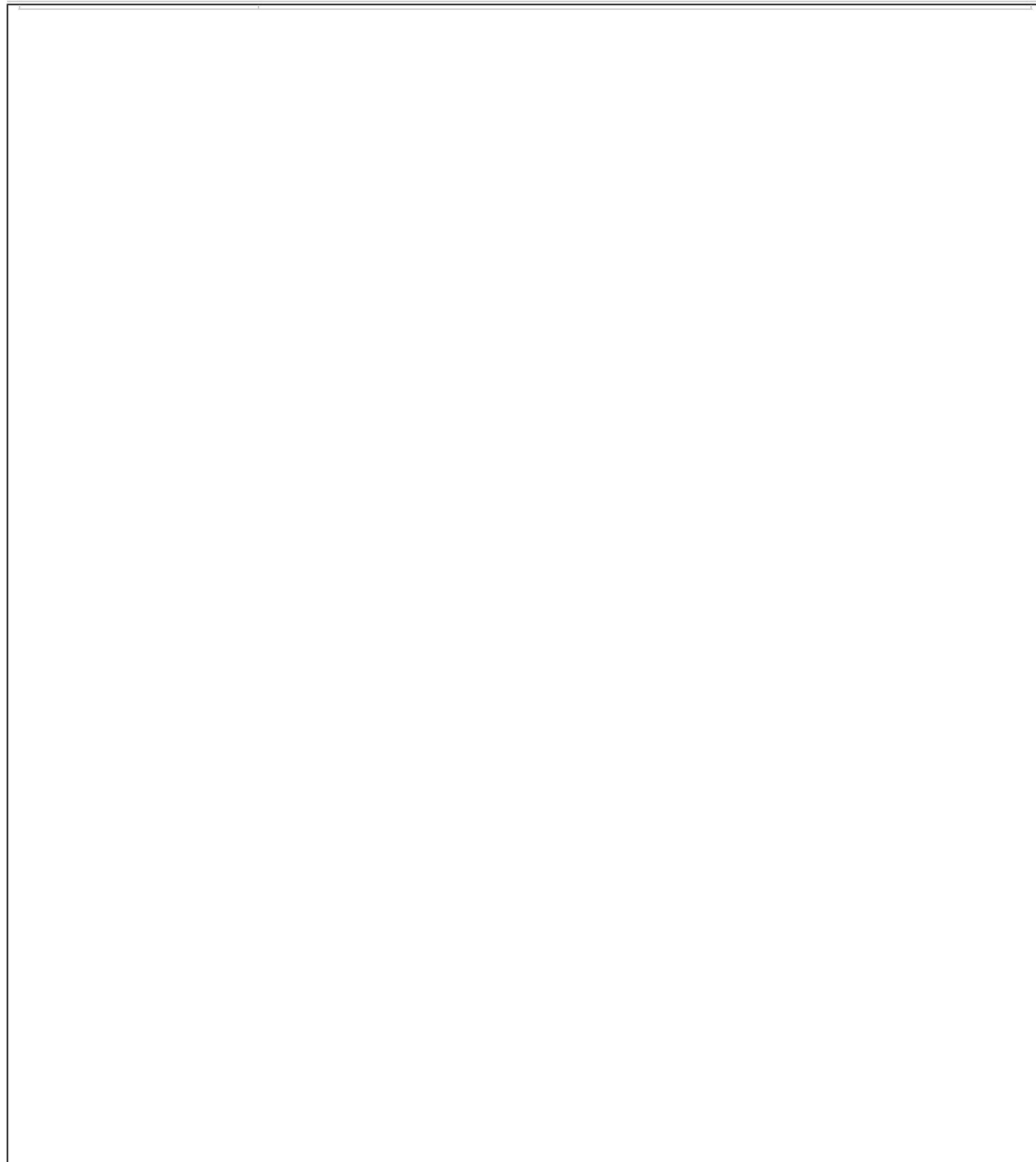
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