

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

Model:GT-41062-xxxx-Q

April 29, 2024

GT-41062-xxxx-Q

Information

Model Number

GT-41062-xxxx-Q

Description

GT-41062-xxxx-Q, 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: 18 Watts, Power rating with convection cooling (W) , 5-24V in 0.1V increments, Approvals: UKCA; South Africa; CB 62368; China RoHS; WEEE; Double Insulation; CE; Designed to meet EN 60601-1; VCCI; GOST-R; NrCAN; CCC; RoHS; LPS 60950; Ukraine; Level IV 115V; cUL 60950; Taiwan BSMI (5V only); CB 60950; Korea (9V 12V 18V Only); Korea (18V, 20V, 24V Only); Level V (24-48 Volts only); IP52; SIQ; PSE; RCM;

Model Picture



Agency Documents

<http://www.globtek.info/certs/GT-41062-CHANGEABLE/>

CE EC-Declaration

https://www.globtek.com/pdf/ec_declaration/a0O30000007P7Z2EAK

RoHS/RoHS2 Declaration

https://www.globtek.com/pdf/rohs_cert/a0O30000007P7Z2EAK

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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April 29, 2024

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)	18.0
Vout Range (V)	5-24
Efficiency Level	V/IV see Approvals
Ingress Protection	IP52
Size (mm)	43.5* 74.0*35.3

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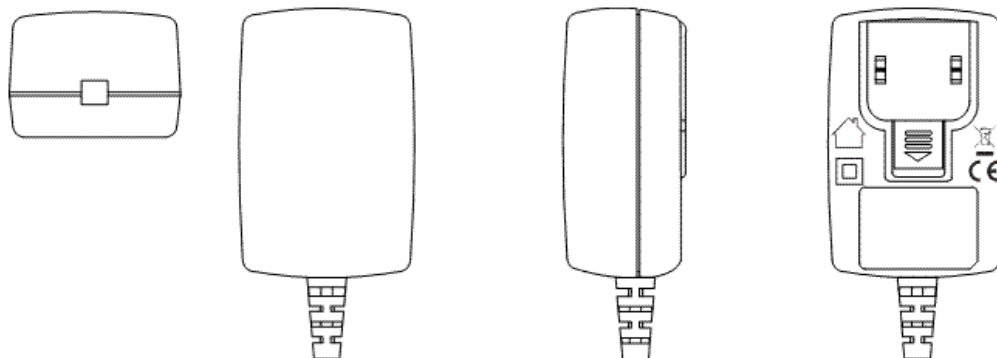
<https://www.globtek.com/ds/RnWqYyMgHWQ/BGqjbGvHr7W.html>

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April 29, 2024

ENCLOSURE



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Model:GT-41062-xxxx-Q

April 29, 2024

RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-41062-1805	5 V	3.2	16.00	RFQ
GT-41062-1806	6 V	3	18.00	RFQ
GT-41062-1807	7 V	2.57	17.99	RFQ
GT-41062-1809	9 V	2	18.00	RFQ
GT-41062-1812	12 V	1.5	18.00	RFQ
GT-41062-1815	15 V	1.2	18.00	RFQ
GT-41062-1818	18 V	1	18.00	RFQ
GT-41062-1820	20 V	0.9	18.00	RFQ
GT-41062-1824	24 V	0.75	18.00	RFQ

Model:GT-41062-xxxx-Q

April 29, 2024

SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

1. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
2. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
3. Output Power (Rated): 18 Watts max
4. Output Load Regulation: +/- 5% measured at the output connector
5. Line Voltage Regulation: +/- 1% typical measured at the output connector
6. Output Ripple (Vp-p): 1% or 150 mV whichever is greater at nominal output voltage. Measured at 20 MHz bandwidth with 0.1 μ f ceramic capacitor in parallel with 10 μ f electrolytic capacitor connected at the end of output connector.
7. Turn-On/Turn-Off Overshoot: 5% maximum, 500mS typical recovery time for 25% step load
8. Turn-On Delay: 3000 mS typical
9. Hold-Up Time: 10mS typical at nominal input voltage & full load
10. Inrush Current: 30A typical at 115Vac input ; 60A typical at 230Vac input
11. Switching Frequency: 66.5 KHz typical

B) PROTECTION

1. Over-Voltage: Protected with zener clamp across the output
2. Short Circuit: Protected. Unit will recover upon removal of fault
3. Input Protection: Input line fusing

C) SAFETY

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

D) OTHER:

1. MTBF: 200,000 hours at 25°C ambient temperature
2. Operating Temperature: 0°C to 40°C ambient temperature
3. Humidity: 0% to 90% relative humidity
4. Storage Temperature: -10°C to 80°C
5. ROHS 2: Complies with EU 2011/65/EU & CHINA SJ/T 11363-2006

E) ENCLOSURE

1. Upper Housing: High impact plastic, 94V0 polycarbonate, non-vented
2. Lower Housing: High impact plastic, 94V0 polycarbonate, non-vented
3. Size: 43.5* 74.0*35.3 mm +/-1.0

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April 29, 2024

DERATING CURVE

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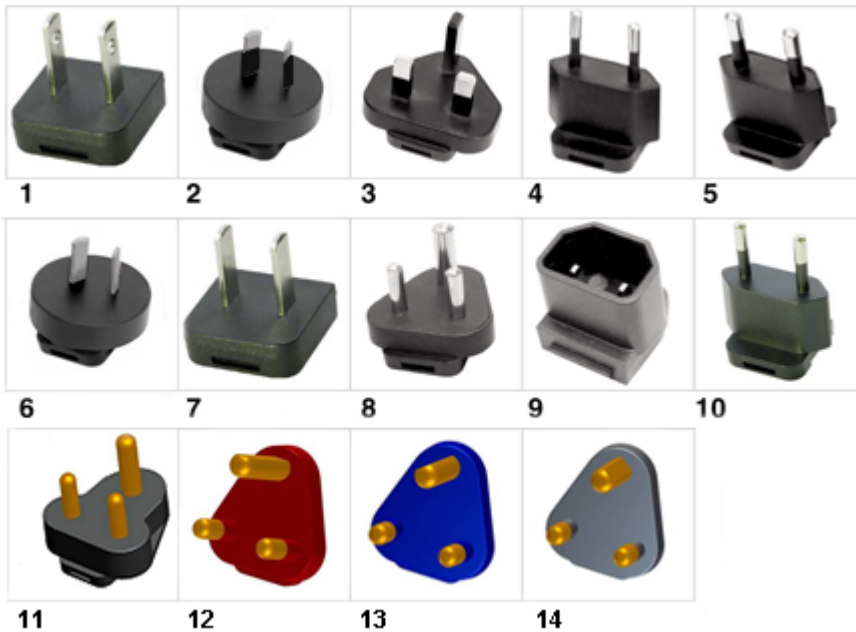
April 29, 2024

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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Model:GT-41062-xxxx-Q

April 29, 2024

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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Model:GT-41062-xxxx-Q

April 29, 2024

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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Model:GT-41062-xxxx-Q

April 29, 2024

Approvals

Logo	Description
 R32282 RoHS (Pb)	Taiwan BSMI (5V designs only); http://www.bsmi.gov.tw/wSite/ct?xItem=4072&ctNode=816&mp=
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
No Logo Applicable	CB for IEC 62368-1:2014 (Second Edition) + A11:2017
	CCC to GB 17625.1-2022 (Class A);GB 4943.1-2022;GB/T Tropical <2000 for GT-41062
	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 15B - On label or Molded in case
	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
	UL60950-1, cULus to UL 60950-1, 1st Edition, 2007-10-31 and CSA C22.2 No. 60950-1-03, 1st Edition, 2006-07
No Logo	Designed to meet EN 60601-1:2006 + A11:2011 +A1:2013 3rd Edition
	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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Model:GT-41062-xxxx-Q

April 29, 2024

	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
	Korea KET KC Mark GT-41062-1812 HU10499-9003A (9V 12V 18V Only)
	Korea KET KC Mark GT-41062-1812 HU10499-12008A (18V, 20V, 24V Only)
EFFICIENCY LEVEL  115V	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 18 - 20awg o/p cord only
LPS	Limited Power Source 60950
 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
 SAA-160017-EA	RCM certificate SAA-160017-EA; Australia and New Zealand Regulatory Compliance, Mark (http://rcmstandards.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

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Model:GT-41062-xxxx-Q

April 29, 2024

No Logo	South Africa approval NRCS
	UKCA Certification
 10276	Ukraine UKRSepto (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