

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

Model:GT-41062-xxxx-Q

June 24, 2019

GT-41062-xxxx-Q

Information

Model Number GT-41062-xxxx-Q

Description GT-41062-xxxx-Q, 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: China RoHS; WEEE; Double Insulation; CE; Designed to meet EN 60601-1; VCCI; GOST-R; NrCAN; CCC; RoHS; LPS; Ukraine; Level IV 115V; cUL 60950; Taiwan BSMI; CB 60950; Korea (9V 12V 18V Only); Korea (24V Only); Level V; IP52; SIQ; PSE; RCM;

Model Picture



Agency Documents <http://www.globtek.info/certs/GT-41062-CHANGEABLE/>
CE https://www.globtek.com/pdf/ec_declaration/a0O30000007P7Z2EAK
EC-Declaration
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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Model Parameters

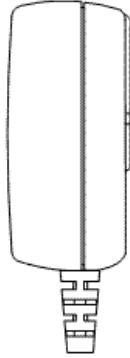
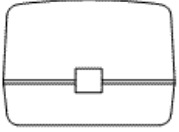
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.6 A
Wattage (W)	18.0
Vout Range (V)	5-24
Efficiency Level	V/IV see Approvals
Ingress Protection	IP52
Size (mm)	43.5* 74.0*35.3

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-41062-18055	V	3.2	16.00	RFQ
GT-41062-18066	V	3	18.00	RFQ
GT-41062-18077	V	2.57	17.99	RFQ
GT-41062-18099	V	2	18.00	RFQ
GT-41062-181212	V	1.5	18.00	RFQ
GT-41062-181515	V	1.2	18.00	RFQ
GT-41062-181818	V	1	18.00	RFQ
GT-41062-182020	V	0.9	18.00	RFQ
GT-41062-182424	V	0.75	18.00	RFQ

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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 µf ceramic

capacitor in parallel with 10 µf 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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DERATING CURVE

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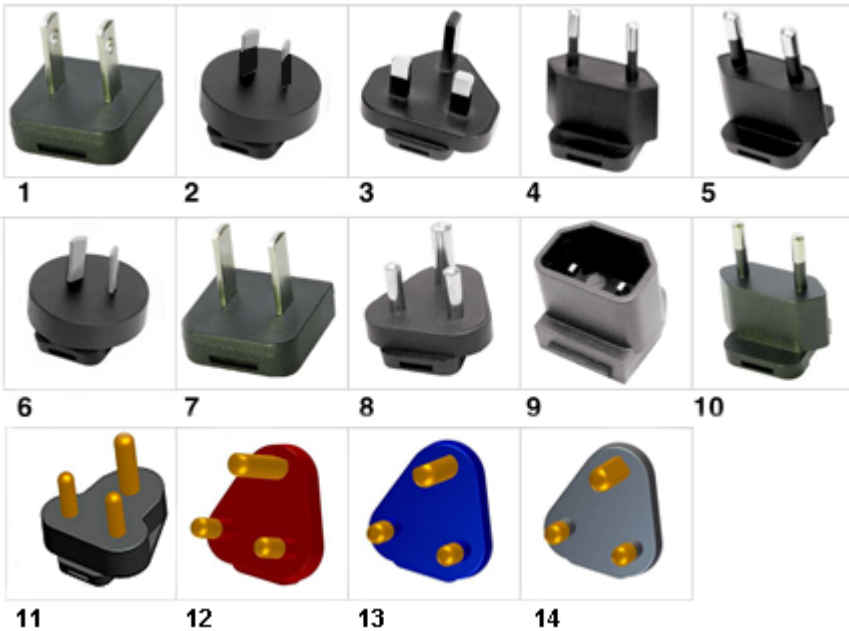
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Input Configuration

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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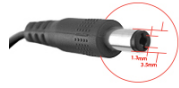
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Output Configuration

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 designs only); http://www.bsmi.gov.tw/wSite/ct?xItem=4072&ctNode=8167=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
	CCC to GB4943.1-2011; GB/T9254-2008 GB17625.1-2012, Tropical <2000
	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: http://en.globtek.com/globtek-rohs.php
 LISTED 4MU8 E170507	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.pdf). 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
 GlobTek, Inc.	JAPAN TUV R-PSE, Cert. No. JD 50313285, to J60950-1(H26) , J55022(H22),J3000(H25)[15V or less]. Please reference the following website for guidelines on PSE regulations: http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/
 직류전원장치 AC/DC ADAPTER KTC HU10499-9003A 최저소비효율기준 만족 제품 모델명:GT-41062-1812 Mfr Name: GLOBTEK (SUZHOU) CO.,LTD A/S Center: 10-6221-6100	Korea KET KC Mark GT-41062-1812 HU10499-9003A (9V 12V 18V Only)
 직류전원장치 AC/DC ADAPTER KTC HU10499-12008A 최저소비효율기준 만족 제품 모델명:GT-41062-1824 Mfr Name: GLOBTEK (SUZHOU) CO.,LTD A/S Center: 10-6221-6100	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: complies to section 301 of Energy Independence and Security Act (EISA) complies with Energy

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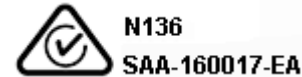
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EFFICIENCY LEVELStar tier 2 (North America), ECP tier 2 (China), MEPS tier 2 (Australia), Code of Conduct (Europe)... NOTE:
24V & 1830 mm 18 - 20awg o/p cord only

LPS



Limited Power Source

Natural Resources Canada (NRCAN): CSA Standard C381.1-08, QSP NRCAN EEV1191;
<http://shop.csa.ca/en/canada/energy-efficiency/canca-c3811-08/inv/27024802008>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-3)
<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

Ukraine UKRSepro (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