

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

Model:GT-41070-MHXX-W2 (end of life)

May 20, 2019

GT-41070-MHXX-W2 (end of life)

Information

Model Number GT-41070-MHXX-W2 (end of life)

Description GT-41070-MHXX-W2 (end of life), ITE / Medical Power Supply, Wall Plug-in, Ni-Mh Battery Charger, , Input Rating: 100-240V~, 50-60 Hz, Blade Options for Q Series Wall Plug-in Power Supplies, Output Rating: 13.1 Watts, Power rating with convection cooling (W) , 1.45 ~ 14.5V in 0.1V increments, Approvals: GOST-R; Double Insulation; China RoHS; CE; CB 60950; WEEE; Ukraine; VCCI; PSE; RoHS;

Model Picture



Agency

Documents

CE

EC-Declaration https://www.globtek.com/pdf/ec_declaration/a0Oa000000MicDDEAZ

RoHS/RoHS2

Declaration https://www.globtek.com/pdf/rohs_cert/a0Oa000000MicDDEAZ

Declaration

REACH

Declaration https://www.globtek.com/pdf/iso_certificates/REACH.pdf

Conflict

Minerals <https://www.globtek.com/pdf/conflict-minerals.pdf>

Declaration

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Model Parameters

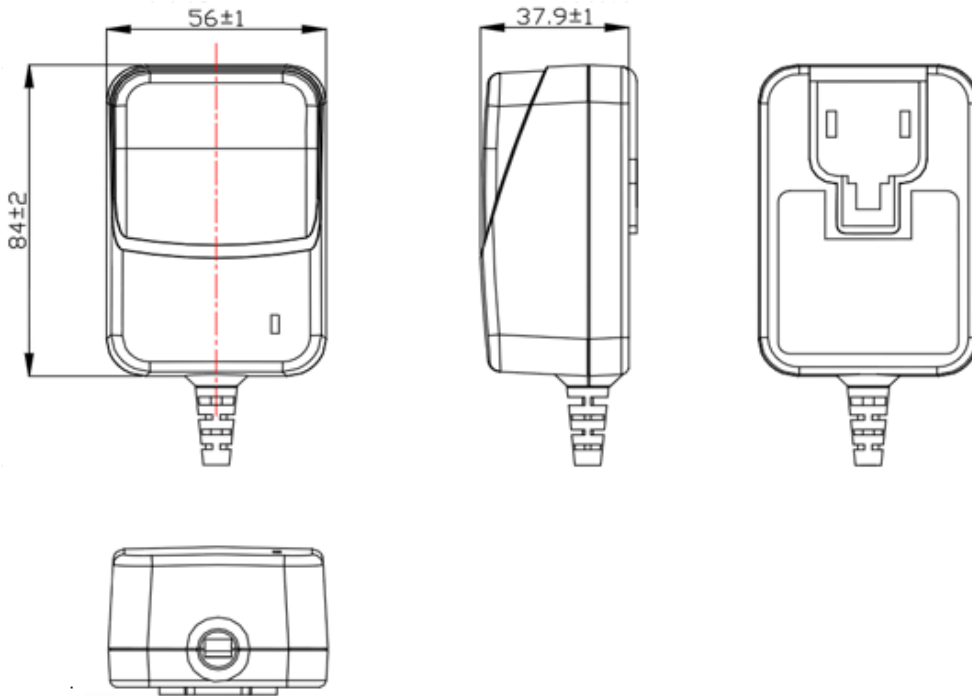
Type	Wall Plug-in
Technology	Ni-Mh Battery Charger
Category	ITE / Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.6A Max
Wattage (W)	13.1
Vout Range (V)	1.45 ~ 14.5
Efficiency Level	V
Ingress Protection	IPX0
Size (mm)	84*56*37.9

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-41070-MH01-W2	1.45 V	1.5	2.18	RFQ
GT-41070-MH02-W2	2.95 V	1.5	4.43	RFQ
GT-41070-MH03-W2	4.35 V	1.5	6.53	RFQ
GT-41070-MH04-W2	5.8 V	1.5	8.70	RFQ
GT-41070-MH05-W2	7.25 V	1.2	8.70	RFQ
GT-41070-MH06-W2	8.7 V	1.2	10.44	RFQ
GT-41070-MH07-W2	10.15 V	1.2	12.18	RFQ
GT-41070-MH08-W2	11.6 V	1.1	12.76	RFQ
GT-41070-MH09-W2	13.05 V	0.9	11.75	RFQ
GT-41070-MH10-W2	14.5 V	0.9	13.05	RFQ

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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. Input current: 0.6A max
09. Inrush Current: 30A maximum at cold start 115Vac, 60A cold start 230Vac
10. Switching Frequency: 66.5 KHz typical

B) PROTECTION

01. Short Circuit: output will shut down during short circuit
02. Input Protection: Input line fusing

C) CHARGING STATUS INDICATOR

01. Led at Power-on: alternating Green 0.5 Sec., Blue 0.5 Sec., Total 3 Sec. LED
02. When charging: Continuous Blue
03. Led when Battery full: Continuous Green
04. Defective battery: Green 0.25 SEC, Blue 0.25 SEC, ALTERNATE BLUE AND GREEN UNTIL FAULT IS REMOVED
05. No battery: Led OFF

D) SAFETY

01. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
02. Earth leakage current : <3.5mA at 240Vac
03. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006
04. Insulation resistance: 100 mOhm

E) 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

F) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 84*56*37.9 +/-1.0 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case

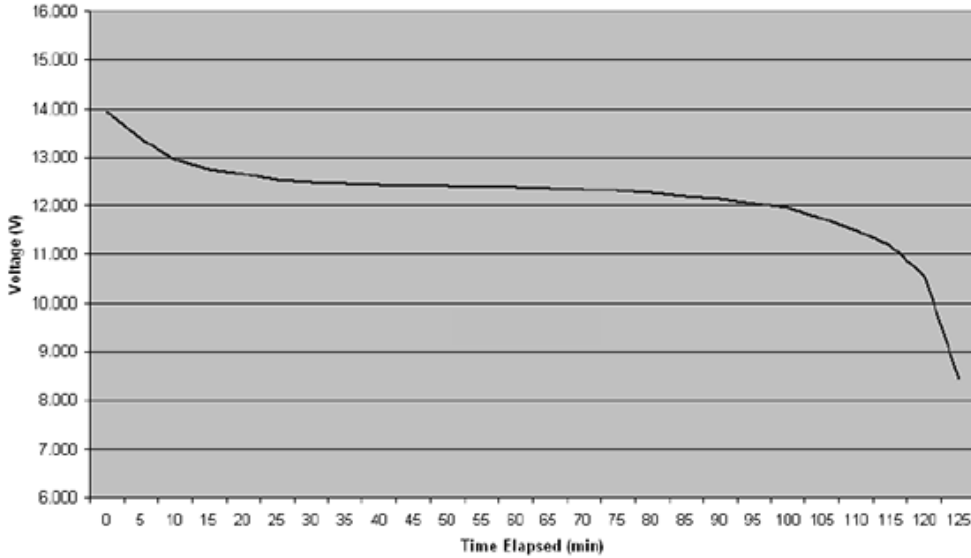
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DERATING CURVE

TYPICAL DISCHARGE CURVE FOR 10 CELLS, Ni-Mh, 4200 mAh PACK



CHARGE RATE: ~900 mA
CHARGE TIME: ~4.5 hrs

DISCHARGE RATE: C/2=2100 mA
DISCHARGE TIME: ~2.0 hrs

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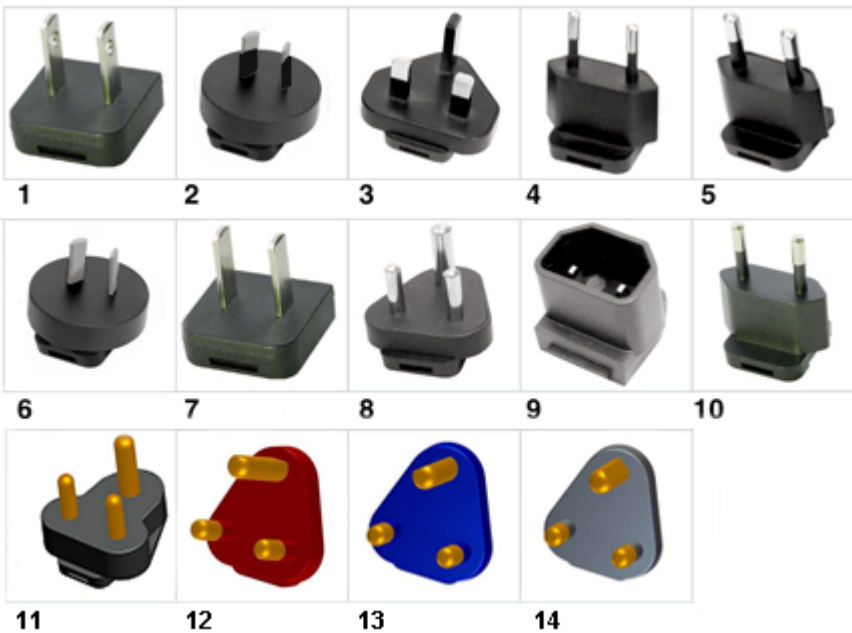
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Input Configuration

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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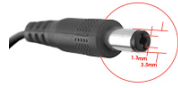
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Output Configuration

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
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
	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
	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.
	Indoor Use Only - Mark is on the label or Molded in the case
	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: http://en.globtek.com/importing-to-japan.php .
GlobTek, Inc.	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
RoHS	
	Ukraine UKRSepr (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
10276	
	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