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Model:GTM41134-Q(CC)

June 4, 2020

**Constant Current Wall Plug in Power Supply Battery Charger, 6W, with 3.3 to 48VDC output options. Medical IEC60601-1, ITE IEC60950-1, and Household IEC60335 certified.**

**Information**

|              |   |
|--------------|---|
| Model Number | GTM41134-Q(CC)  |
| Description  | The Constant Current Wall Plug in Power Supply is ideal for use as a Battery Charger or LED driver, It's available in 6W, with 3.3 to 48VDC output options. It is rated Medical IEC60601-1, ITE IEC60950-1, and Household IEC60335 certified. |

**Model Picture**


|                               |   |
|-------------------------------|---|
| Agency Documents              | <a href="http://www.globtek.info/certs/GTM41134/">http://www.globtek.info/certs/GTM41134/</a>   |
| CE EC-Declaration             | <a href="https://www.globtek.com/pdf/ec_declaration/a0Oa000000HSwmXEAT">https://www.globtek.com/pdf/ec_declaration/a0Oa000000HSwmXEAT</a> |
| RoHS/RoHS2 Declaration        | <a href="https://www.globtek.com/pdf/rohs_cert/a0Oa000000HSwmXEAT">https://www.globtek.com/pdf/rohs_cert/a0Oa000000HSwmXEAT</a>           |
| REACH Declaration             | <a href="https://www.globtek.com/pdf/iso_certificates/REACH.pdf">https://www.globtek.com/pdf/iso_certificates/REACH.pdf</a>               |
| Conflict Minerals Declaration | <a href="https://www.globtek.com/pdf/conflict-minerals.pdf">https://www.globtek.com/pdf/conflict-minerals.pdf</a>                         |

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**MODEL PARAMETERS**

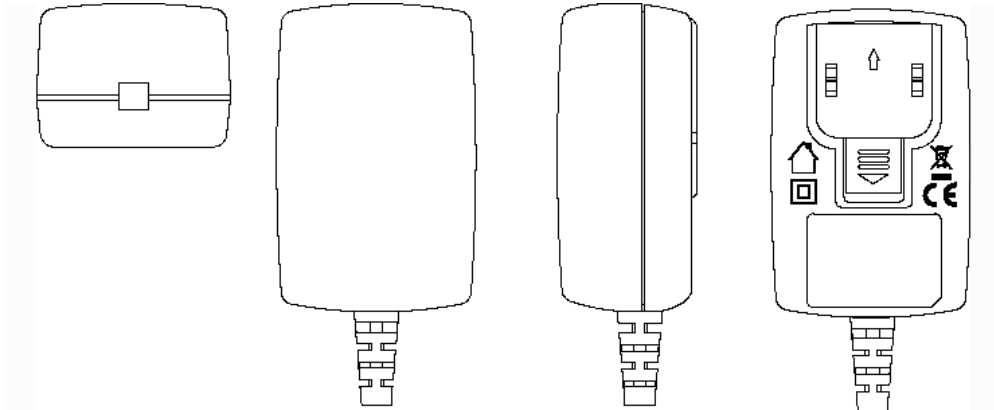
|                    |  |
|--------------------|--|
| Type               | Wall Plug-in   |
| Technology         | Regulated Switchmode AC-DC Constant Current (CC) Power Supply AC Adaptor |
| Category           | Medical Power Supply   |
| Input Voltage      | 100-240V~, 50-60 Hz  |
| I/P Amps (A)       | 0.6 A  |
| Wattage (W)        | 6.0  |
| Vout Range (V)     | 3.3-48   |
| Efficiency Level   | V  |
| Ingress Protection | IP40   |
| Size (mm)          | 43.5*74.0*35.3   |

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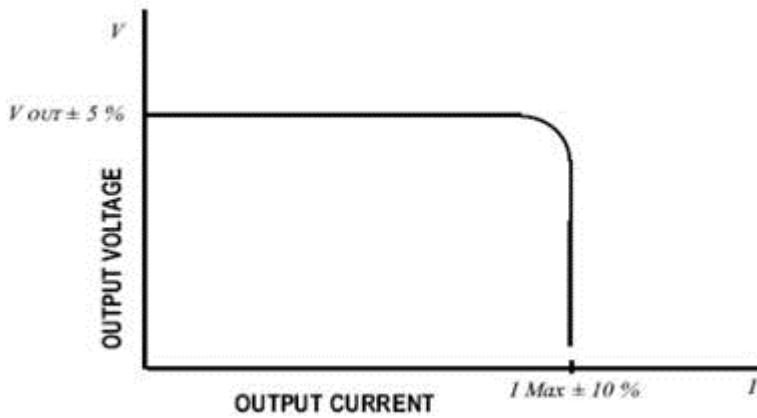
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## ENCLOSURE



LED INDICATOR: LED INDICATOR AVAILABLE UPON REQUEST. GREEN INDICATES POWER PRESENT.

OUTPUT VOLTAGE AND CURRENT CHARACTERISTIC FOR CONSTANT CURRENT (CC) VERSION



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**RATING TABLE**

| Model Number        | Voltage | Amps(A) | Watts(W) | RFQ                 |
|---------------------|---------|---------|----------|---------------------|
| a17a000000LICtA     | V       |         |          | <a href="#">RFQ</a> |
| GTM41134CC-0603     | 3.3 V   | 1.8     | 5.94     | <a href="#">RFQ</a> |
| GTM41134CC-0604     | 4 V     | 1.5     | 6.00     | <a href="#">RFQ</a> |
| GTM41134CC-0606-1.0 | 5 V     | 1.2     | 6.00     | <a href="#">RFQ</a> |
| GTM41134CC0606-1.0  | 5 V     | 1.2     | 6.00     | <a href="#">RFQ</a> |
| GTM41134CC-0606     | 6 V     | 1       | 6.00     | <a href="#">RFQ</a> |
| GTM41134CC-0612     | 12 V    | 0.5     | 6.00     | <a href="#">RFQ</a> |
| GTM41134CC-0615     | 15 V    | 0.4     | 6.00     | <a href="#">RFQ</a> |
| GTM41134CC-0618     | 18 V    | 0.33    | 5.94     | <a href="#">RFQ</a> |
| GTM41134CC-0624     | 24 V    | 0.25    | 6.00     | <a href="#">RFQ</a> |
| GTM41134CC-0636     | 36 V    | 0.16    | 5.76     | <a href="#">RFQ</a> |
| GTM41134CC-0648     | 48 V    | 0.125   | 6.00     | <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 Current: Current limited to rated output current with tolerance of +/-10%
04. Output Regulation: +/- 5% measured at the output connector
05. Line Voltage Regulation: +/- 1% typical measures at full load
06. Output Ripple (Vp-p): 1% or 150 mV whichever is greater measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with 10 uf electrolytic capacitor connected at the end of output connector at nominal line
07. Turn-On/Turn-Off Overshoot: 5% maximum, 1mS typical recovery time for 25% step load
08. Turn-On Delay: 1 second typical
09. Hold-Up Time: 8mS typical @ nominal input voltage & full load
10. Inrush Current: 30A typical @ 115Vac input ; 60A typical @ 230Vac input
11. Switching Frequency: 65 KHz typical

### B) PROTECTION

1. Over-Voltage: Unit will recover upon removal of fault
2. Short Circuit: Electronically Protected, unit will recover upon removal of fault
3. Input Protection: Input line fusing

### C) SAFETY

1. Dielectric Withstand Voltage: Input-Output: 5656Vdc, (2 MOPP)
2. Earth Leakage Current: N/A for Class II units, there is no PE Ground pin, so Earth Leakage current is not measured
3. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)
4. Means of Protection: 2 x MOPP
5. Primary to Secondary Bridging Capacitor: Standard configuration provided without bridging capacitors, Two (2) \* Y1 type capacitors in series is available as an option upon customer request. If option employed, it is to be noted in the product deviation section of this specification document.

### D) OTHER:

1. MTBF: 200,000 hours @ 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

### 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 x 74.0 x 35.3mm +/- 1.0

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## DERATING CURVE

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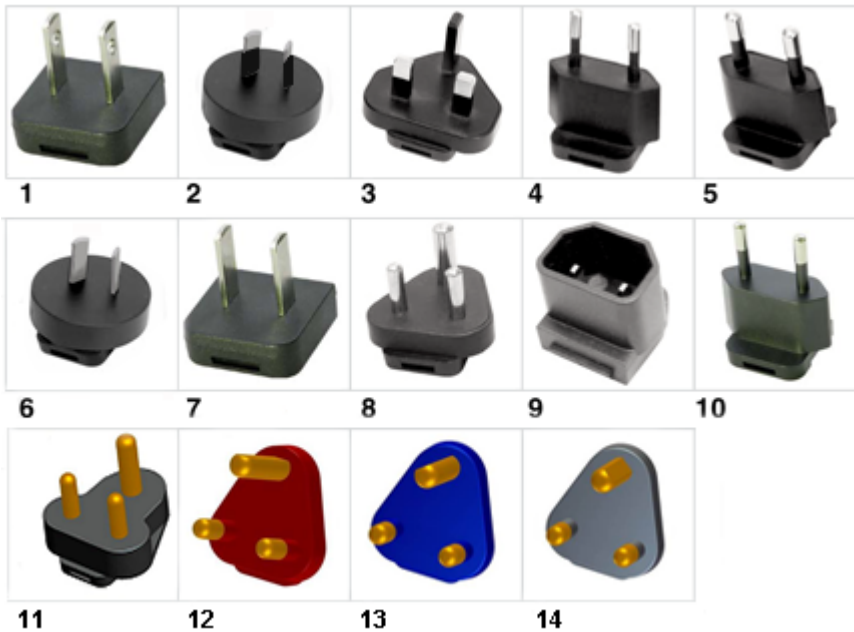
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**INPUT CONFIGURATION**

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)
13. South Africa SABS164-4, 3 round prongs with a notched prong @ -53°, Class II + dummy ground, Blue, IEC TYPE M,

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<http://en.globtek.com/datasheet/id/a0Oa000000HSwmX>

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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   |
|---|---|
|    | Book 60335 up to 36 Volts   |
|    | 60601-1 3rd Operating Instructions  |
| No Logo Applicable  | CB report IEC60601-1 2005 A1+C1+C2 2016-2-4 and or EN 60601-1:2006 3.1rd Edition 2xMOPP   |
| No Logo Applicable  | CB to 60335-1 5th Edition (Safety of Household and Similar Electrical Appliances, Part 1: General Requirements) CB Report/ Certificate IEC 60335-1:2010 Up to 36 volts only   |
| No Logo Applicable  | CB report to IEC 61558-2-16_2009 1st Edition IEC 61558-1_2005 2nd Edition + A1_2009 EN 61558-1-16_2009 EN 61558-1_2005 + A1_2009.pdf  |
|  | CCC to GB4943.1-2011; GB/T9254-2008 GB17625.1-2012, Tropical <2000  |
|  | CE Certification  |
| Conforms to ANSI/AAMI ES 60601-1:2005<br>Cert.to CAN/CSA Std. C22.2                 | cETLus ANSI_AAMI ES60601-1_2005   |
| Conforms to ANSI/UL Std. 60950-1<br>Cert.to CAN/CSA Std. C22.2 NO. 60950-1          | Conforms to ANSI/UL Std. 60950-1 2nd Edition<br>Cert. to CAN/CSA Std.C22.2 NO.60950-1 2nd Edition   |
|  | AAMI ES60601-1 Issued: 2012/08/20 Medical Electrical Equipment - Part 1:<br>CAN/CSA-C22.2 No.60601-1:14, Third Edition Issued: 2014/03/01 - Medical Electrical<br>Equipment - Part 1:<br>IEC 60601-1-11 Issued: 2015/01/20 Ed. 2 Medical Elec. Equip.- Part 1-11: |
|   |   |

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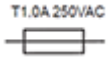




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<http://en.globtek.com/datasheet/id/a0Oa000000HSwmX>

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|   |   |
|---|---|
|                  | cETLus-Cert-60950-1 4007497 Listed  |
|                  | 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>  |
|                  | cRUus UL Recognized Component E172861 3rd Edition w-RM ANSI-AAMI ES60601-1 (2005 + C1:09 + A2:10) and CAN-CSA-C22.2 No. 60601-1 (2008)  |
|   |   |
|                  | Certification # TC RU AR46.B.72092 Custom Union of Russia, Belarus and Kazakhstan for GT(M)41134  |
|                | Fuse 60335 T1.0A 250VAC Up to 36 volts  |
| <b>Ta:40°C</b>  | IEC 60601-1 GTM41134 Maximum Ambient Temperature, Max 40°C  |
|                | 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 (with R-Blades)   |
|  GlobTek, Inc. | JAPAN TUV R-PSE, Cert. No. JD 50315169, to J60950-1(H26) , J55022(H22),[15V or less]. Please reference the following website for guidelines on PSE regulations: <a href="http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/">http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/</a> |
|  GlobTek, Inc. | JAPAN TUV R-PSE, Cert. No. JD 50315866, to J60950-1(H26) , J55022(H22),[15V or less]. Please reference the following website for guidelines on PSE regulations: <a href="http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/">http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/</a> |
|  GlobTek, Inc. | JAPAN TUV R-PSE, Cert. No. JD 50315866, to J60950-1(H26) , J55022(H22),[DC15V?30V]. Please reference the following website for guidelines on PSE regulations: <a href="http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/">http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/</a>   |

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| <br>GlobTek, Inc.   | JAPAN TUV R-PSE, Cert. No. JD 50315866, to J60950-1(H26) , J55022(H22),[DC30V?60V]. Please reference the following website for guidelines on PSE regulations:<br><a href="http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/">http://en.globtek.com/importing-ite-and-medical-power-supplies-ac-adaptors-to-japan/</a> |
| <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)   |
| LPS  | Limited Power Source 60950   |
| <br><b>IEC/EN60335-1</b>  | NEMKO IEC/EN 60335-1 (Safety of Household and Similar Electrical Appliances, Part 1: General Requirements) up to 36 Volts  |
| 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>   |
| <br><b>Intertek</b><br><b>IEC/EN60601-1</b><br><b>IEC/EN60950-1</b> | Semko S-Mark-Cert-EN60601-1 and EN60950-1  |
|   | Transformer Symbol IEC 61558-1 SMPS Short-Circuit –Proof Safety Isolating Transformer  |
|   | Transformer Symbol IEC 61558-1 SMPS Switch Mode Power supply   |
| <br>10276   | Ukraine UKRSepto (Document:<br><a href="http://www.globtek.com/html/iso_certificates/GT_Ukraine.pdf">www.globtek.com/html/iso_certificates/GT_Ukraine.pdf</a> )  |
|   | Japan: Voluntary Control Council for Interference (VCCI)   |
|   | WEEE: Complies with EU 2012/19/EU (<br><a href="http://ec.europa.eu/environment/waste/weee/index_en.htm">http://ec.europa.eu/environment/waste/weee/index_en.htm</a> )<br>Mark is on the label or Molded in the case   |