

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

Model:GT-81081-60VV-x.x-T2

August 17, 2019

GT-81081-60VV-x.x-T2

Information

Model Number GT-81081-60VV-x.x-T2

Description GT-81081-60VV-x.x-T2, ITE Power Supply, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V- , 50/60Hz, IEC 60320/C8 AC Inlet connector, Class II, Non-Earth Ground (aka "Figure-8"), Output Rating: 60 Watts, Power rating with convection cooling (W) , 12-24V in 0.1V increments, Approvals: FCC; CB 60950; CCC; CE; China RoHS; Double Insulation; cULus; EMC; ITE; Level 3; Level III 230V; Level IV 115V; LPS; NEMKO 60950; NrCAN; PSE; RoHS; Ukraine; VCCI; WEEE; CU Kazakhstan; SGS (Brazil);

Model Picture



Agency Documents <http://www.globtek.info/certs/GT-81081/>
CE Declaration https://www.globtek.com/pdf/ec_declaration/a0Oa000000C1ourEAB
RoHS/RoHS2 Declaration https://www.globtek.com/pdf/rohs_cert/a0Oa000000C1ourEAB
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

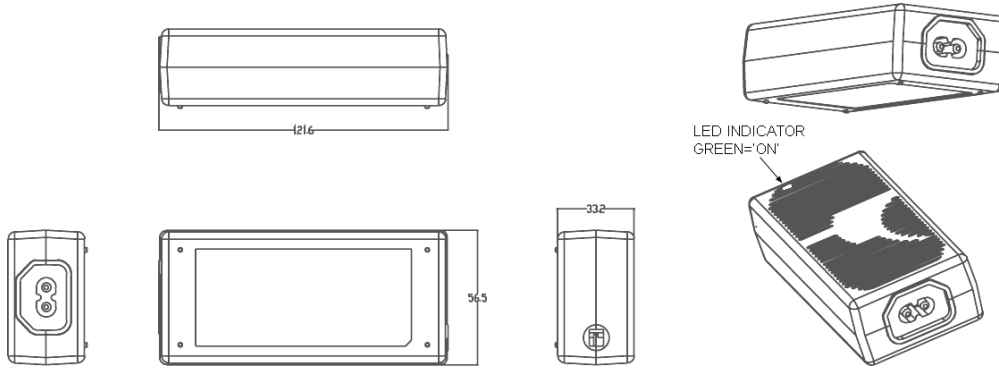
| | |
|--------------------|--|
| Type | Desktop/External |
| Technology | Regulated Switchmode AC-DC Power Supply AC Adaptor |
| Category | ITE Power Supply |
| Input Voltage | 100-240V- , 50/60Hz |
| I/P Amps (A) | 1.5A |
| Wattage (W) | 60.0 |
| Vout Range (V) | 12-24 |
| Efficiency Level | IV @ 115V / III @ 230V |
| Ingress Protection | IP40 |
| Size (mm) | 121*56*32 |

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ENCLOSURE



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RATING TABLE

| Model Number | Voltage | Amps(A) | Watts(W) | RFQ |
|------------------------|---------|---------|----------|---------------------|
| GT-81083-0404-1.0-W2E3 | 3 V | 1 | 3.00 | RFQ |
| GT-81081-6012-T2 | 12 V | 5 | 60.00 | RFQ |
| GT-81081-6015-T2 | 15 V | 4 | 60.00 | RFQ |
| GT-81081-6018-T2 | 18 V | 3.33 | 59.94 | RFQ |
| GT-81081-6020-T2 | 20 V | 3 | 60.00 | RFQ |
| GT-81081-6024-T2 | 24 V | 2.5 | 60.00 | 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): 60 Watts max
4. Output Load Regulation: +/- 5% measured at the output connector
5. Line Voltage Regulation: +/- 1% typical measures at the Output connector
6. Output Ripple (peak to peak): 1% or 50 mV whichever is greater measured at nominal output voltage. measured at 20 MHz bandwidth with 0.1 μ f ceramic capacitor in parallel with μ f electrolytic capacitor connected at the end of output connector
7. Turn-On/Turn-Off Overshoot: 5% maximum, 500 μ s recovery time for 25% step load
8. Turn-On Delay: 2 sec max
9. Hold-Up Time: 8 mSec Min at 120Vac, Input and full load
10. Inrush Current: 40A max at cold start at 120vac and 60A at 230Vac
11. Switching Frequency: 100 KHz typical
12. Efficiency: 84% typical at full load

B) PROTECTION

1. Over-Voltage: Protected, unit will autorecover upon removal of fault
2. Short Circuit: Protected, unit will autorecover 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 @ 25°C ambient temperature
2. Operating Temperature: 0°C to 40°C ambient temperature
3. Humidity: 5% to 95% relative humidity
4. Storage Temperature: -40°C to 80°C
5. RoHS 2: Complies with EU 2011/65/EU and 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: 121.6*56.5*33.2 mm +/-1.0
4. Green LED for output present

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DERATING CURVE

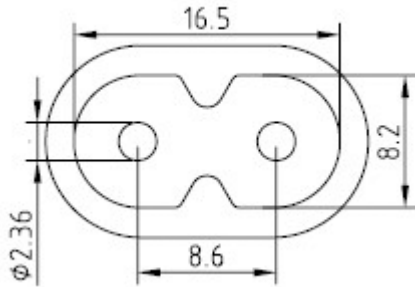
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Input Configuration

Description IEC 60320/C8 AC Inlet connector, Class II, Non-Earth Ground (aka "Figure-8")



Mates with IEC 60320/C7 Plug

Below are standard cordsets which are "not included" (unless stated above); these may be purchased separately or packaged with the power supply. Please contact your Sales Engineer if the style required is not shown below. Many more available in different lengths, colors or cable material.

Standard International IEC 320/C7 Cordsets

| | | | |
|--|------------|------------|-------|
| 2094112M703(R) Argentina (Type I) | IRAM 2063 | IEC 320/C7 | 20007 |
| 5014112M703A(R) Australian (Type I) | AS 3112 | IEC 320/C7 | 20007 |
| 207B4111M8703(R) Brazil (Type N) | NBR14136 | IEC 320/C7 | 18006 |
| 4533501M8703(R) China (Type A) | GB 2099.1 | IEC 320/C7 | 18306 |
| 2074112M703A(R) European (Type C) | CEE 7/16 | IEC 320/C7 | 20007 |
| 2084111M8703(R) India (Type M) | BS 546 | IEC 320/C7 | 18006 |
| 451J3401M8703(R) Japan (Type A) | JIS 8303 | IEC 320/C7 | 18306 |
| 2044112M703A(R) Korea (Type C) | KS C8305 | IEC 320/C7 | 20007 |
| 4511116F703A(R) N. American (Type A) | NEMA 1-15P | IEC 320/C7 | 18306 |
| 4033401M8703A(R) Taiwan (Type A) | CNS690 | IEC 320/C7 | 18306 |
| 6104112M703A(R) UK, Hong Kong, Singapore, Gulf States (Type G) | BS1363 | IEC 320/C7 | 20007 |

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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](#)











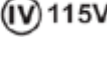

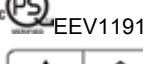

Contact GlobTek for your specific requirements or custom solutions.

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Approvals

| Logo | Description |
|--|--|
|  | Attention Mark / Refer to operating manual for operating and service instructions |
| No Logo Applicable | CB report 60950-1 2nd Ed |
|  | 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 |
|  адаптер питания | CU Kazakhstan Certificate |
|  | UL60950-1, cULus to UL 60950-1, 2nd Edition, 2007-03-27 and CSA C22.2 No. 60950-1-07, 2nd Edition, 2007-03 |
|  | EMC Inspected |
|  | FCC PART 15 CLASS B I.T.E. POWER SUPPLY |
|  | Indoor Use Only - Mark is on the label or Molded in the case |
| LEVEL 3 | LEVEL 3 |
|  | 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) |
| LPS | Limited Power Source GT-81081-T3(A) 12.1 - 24 volts only |
|  | NEMKO EN60950-1:2006, A11, A1, A12,A2 |
|  | Natural Resources Canada (NRCAN): CSA Standard C381.1-08, QSP NRCAN EEV1191; http://shop.csa.ca/en/canada/energy-efficiency/canca-c381-08/inv/27024802008 |
|  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: http://en.globtek.com/importing-to-japan.php . |
| 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 |

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| | |
|--|---|
|  | Serial Number Information |
|  | SGS (Brazil) to IEC 60950-1_2005 + A1_2009 +A2_2013 (12 - 24 Volts) |
|  | 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 |