

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

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

June 6, 2020

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: CB 62368; 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 EC-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

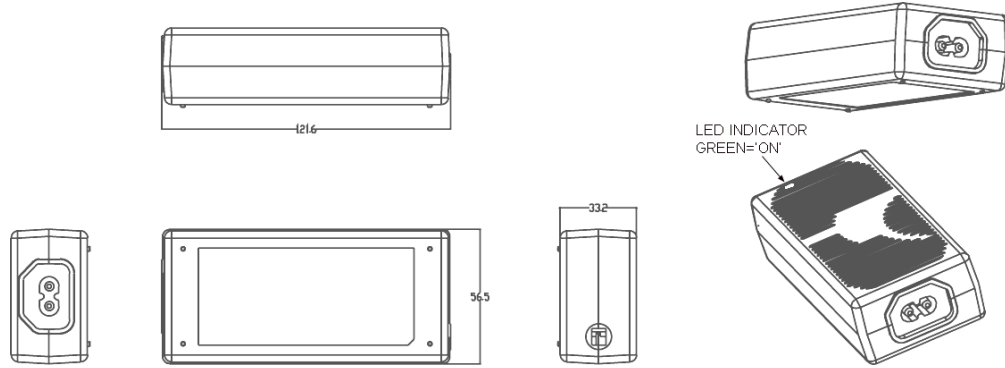
Type	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ITE Power Supply
Input Voltage	100-240V , 50/60Hz
I/P Amps (A)	1.5A
Wattage (W)	60.0
Vout Range (V)	12-24
Efficiency Level	IV @ 115V / III @ 230V
Ingress Protection	IP40
Size (mm)	121*56*32

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-81083-0404-1.0-W2E	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

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 µf ceramic capacitor in parallel with µf electrolytic capacitor connected at the end of output connector
7. Turn-On/Turn-Off Overshoot: 5% maximum, 500 µs 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

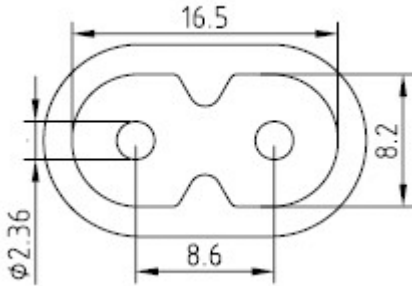
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INPUT CONFIGURATION

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

PROPRIETARY INFORMATION

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<http://en.globtek.com/datasheet/id/a0Oa000000C1our>

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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
No Logo Applicable	CB for IEC 62368-1:2014 (Second Edition)
	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

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I.T.E. POWER SUPPLY	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  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)
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-c3811-08/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
	Serial Number Information
	SGS (Brazil) to IEC 60950-1_2005 + A1_2009 +A2_2013 (12 - 24 Volts)
 10276	Ukraine UKRSepr (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)

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	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