

Model:GT-81081-60VV-x.x-T3

May 4, 2024

GT-81081-60VV-x.x-T3

Information

Model Number

GT-81081-60VV-x.x-T3

Description

GT-81081-60VV-x.x-T3, ICT/ITE Power Supply, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V- , 50/60Hz, IEC 60320/C14 AC Inlet Connector, Class I, Earth Ground, Output Rating: 60 Watts, Power rating with convection cooling (W) , 12-24V in 0.1V increments, Approvals: UKCA; Conforms to 62368-1; FCC; China RoHS; CE; CB 60950; VCCI; NrCAN; WEEE; RoHS; EMC; NOM (12V and 15V); Ukraine; CCC; Class I; IRAM; PSE; cULus; Level IV 115V; Level III 230V; Korea (20V, 22V, 24V); ITE; Level 3; Korea (12V 14V Only); IP40; Korea (14V, 14.1V, 15V, 16V, 19V); India BIS; GEMS (12V); CB 62368; Taiwan BSMI (15V only); CU Kazakhstan; RCM; LPS 60950;

Model Picture



Agency Documents

<http://www.globtek.info/certs/GT-81081/>

CE EC-Declaration

https://www.globtek.com/pdf/ec_declaration/a0030000007P7ZgEAK

RoHS/RoHS2 Declaration

https://www.globtek.com/pdf/rohs_cert/a0030000007P7ZgEAK

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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May 4, 2024

MODEL PARAMETERS

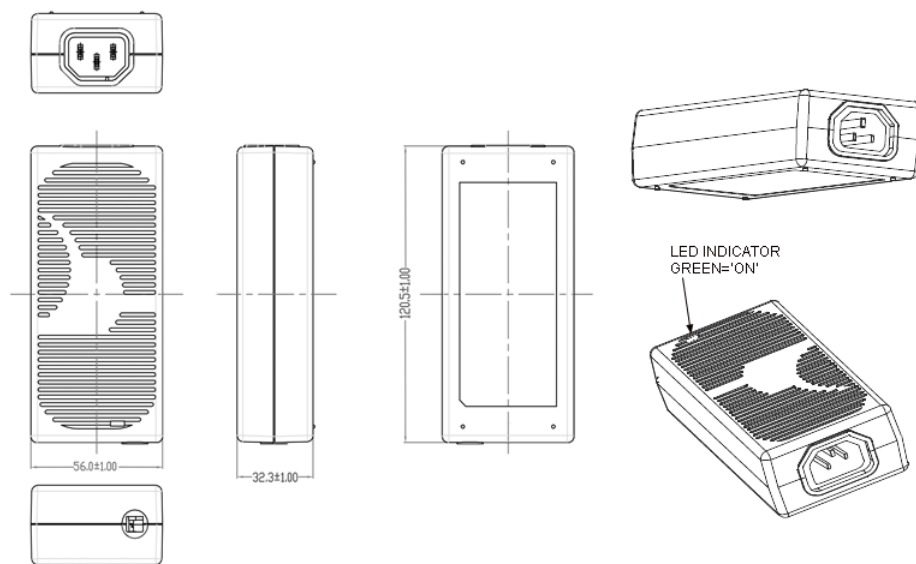
Type	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50/60Hz
I/P Amps (A)	1.5A
Wattage (W)	60.0
Vout Range (V)	12-24
Efficiency Level	IV @ 115V / III @ 230V
Ingress Protection	IP40
Size (mm)	121*56*32

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May 4, 2024

ENCLOSURE



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May 4, 2024

RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-81081-4012-T3	12 V	3.33	39.96	RFQ
GT-81081-6012-T3	12 V	5	60.00	RFQ
GT-81081-6014-0.8-T3	13.2 V	4.5	59.40	RFQ
GT-81081-6015-1.5-T3	13.5 V	4.44	59.94	RFQ
GT-81081-6014-T3	14 V	4.3	60.20	RFQ
GT-81081-6015-T3	15 V	4	60.00	RFQ
GT-81081-6018-T3	18 V	3.33	59.94	RFQ
GT-81081-6019-T3	19 V	3.15	59.85	RFQ
GT-81081-6020-T3	20 V	3	60.00	RFQ
GT-81081-6022-T3	22 V	2.72	59.84	RFQ
GT-81081-6024-T3	24 V	2.5	60.00	RFQ
GT-81081-6024-T3	24 V	2.5	60.00	RFQ

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May 4, 2024

SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

1. Input Voltage: Specified 90-264 Vac, Nameplate rated 100-240 Vac
2. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60 Hz
3. Output Load Regulation: +/- 5% measured at the output connector
4. Line Voltage Regulation: +/- 1% typical measures at the Output connector
5. 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 10 µf electrolytic capacitor connected at the end of output connector
6. Turn-On/Turn-Off Overshoot: 5% maximum, 500 µS recovery time for 25% step load
7. Turn-On Delay: 2 sec max
8. Hold-Up Time: 8 mSec Min at 120Vac, Input and full load
9. Inrush Current: 40A max at cold start at 120vac and 60A at 230Vac
10. Switching Frequency: 100 KHz typical
11. 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
3. Earth Leakage Current: <3.5 mA at 240Vac
4. Earth continuity test:<0.1 Ohm or < 0.2 Ohm when with a non-detachable Power Supply cord, Class I Only

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 +/-1.0 mm
4. LED: Green Indicator for output present

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May 4, 2024

DERATING CURVE

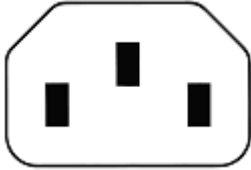
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May 4, 2024

INPUT CONFIGURATION

Description IEC 60320/C14 AC Inlet Connector, Class I, Earth Ground



Mates with IEC 60320/C13 Plug

Optional Locking IEC60320 Receptacle and cord option available on some models by request.:



[Standard International IEC 320/C13 Cordsets](#)

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

Stock Power Supply Cords

Part Number/ Link	Country	Plug	Termination	Length (mm)	(Ft)
3021457F701(R)	N. American (Type B)	NEMA 5-15P	IEC 320/C13	2150	7
1191068F0701(R)	N. American (Type B)	NEMA 5-15P Hospital	IEC 320/C13	2459	8
2194272M5701-T(R)	Argentina (Type I)	IRAM 2073	IEC 320/C13	2500	8
5502022M5701A(R)	Australian (Type I)	AS3112 / 3 PRONG	IEC 320/C13	2500	8
204B4272M5701(R)	Brazil (Type N)	BRAZIL	IEC 320/C13	2500	8
6023602M5701(R)	China (Type I)	CCC GR2099	IEC 320/C13	2500	8
G8014272M5701(R)	Danish (Type K)	AFSNIT SECTION 107-2-D1	IEC 320/C13	2500	8
			IEC		

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Model:GT-81081-60VV-x.x-T3

May 4, 2024

23144272M5701-T(R)	Europe (Type E)	CEE 7/7	320/C13	2500	8
23134272M5701EUKR(R)	Europe/Korea Combo (Type E)	CEE 7/7 / KSC8305	IEC 320/C13	2500	8
205IN4272M5701(R)	India (Type D)	India IS 1293 (also known as IA16A3 or BS546)	IEC 320/C13	2500	8
208IN4272M5701(R)	India (Type M)	India IS 1293 (also known as IA16A3 or BS546)	IEC 320/C13	2500	8
377C4272M5701(R)	Israel (Type H)	ISL 377C	IEC 320/C13	2500	8
23024272M5701(R)	Italy (Type L)	CEI 23-16/VII	IEC 320/C13	2500	8
3003339F701(R) [3x1.25mm2]	Japan (Type B)	JIS 8303 / 3 PINS	IEC 320/C13	2500	8
3003068F2701-HK(R) [3 x 2.0mm2]					
302J115J6F0701J(R)	North America / Japan (Type B – 12A)	NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved)	IEC 320/C13	1830	6
302J104J6F0701J(R)	North America / Japan (Type B – 15A)	NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved)	IEC 320/C13	1830	6
302JT104J9F0701JT(R)	North America / Japan / Taiwan (Type B – 15A)	NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved), Taiwan CNS 6797 (BSMI Approved)	IEC 320/C13	2800	9
2313K3432M5701(R)	Korea (Type F)	KS C 8305	IEC 320/C13	2500	8
5804272M5701(R)	Russia (Type F)	GOST 7396	IEC 320/C13	2500	8
2084272M5701(R)	South Africa (Type M)	South Africa SABS164-1 (16A type)	IEC 320/C13	2500	8
23214272M5701(R)	Switzerland (Type J)	SEV 1011	IEC 320/C13	2500	8
3003322M5701(R)	Taiwan (Type B)	BSMI	IEC 320/C13	2500	8
6363762M5701(R)	Thailand (Type O)	TIS 166-2549	IEC 320/C13	2500	8
PZ0800100-2M5BK13H(R)	UK, Hong Kong, Singapore, Gulf States (Type G)	BS 1363A	IEC 320/C13	2500	8
7055002M5701A(R)	International	IEC 320 C14-C13	IEC 320/C13	2500	8

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May 4, 2024

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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May 4, 2024

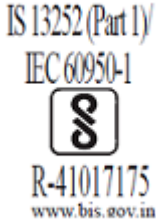
Approvals

Logo	Description
	Attention Mark / Refer to operating manual for operating and service instructions
 R37924 RoHS	Taiwan BSMI GT-81081-T3(A) R37924 15V only http://www.bsmi.gov.tw/wSite/ct?xItem=4072&ctNode=816&mp=2
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 EN61000-4-7 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://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-2014.pdf
Conforms to UL STD. 62368-1 Certified to CSA STD C22.2 NO.62368-1	Conforms to UL STD. 62368-1 Certified to CSA STD C22.2 NO.62368-1
 адаптер питания	CU Kazakhstan Certificate
 LISTED 4MU8 E170507	UL60950-1, cULus to UL 60950-1, 2nd Edition, 2007-03-27 and CSA C22.2 No. 60950-1-07, 2nd Edition, 2007-03

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Model:GT-81081-60VV-x.x-T3

May 4, 2024

	EMC Inspected
No Logo	Greenhouse and Energy Minimum Standards (GEMS) for model GT-81081-6012-T3
	FCC PART 15 CLASS B
I.T.E. POWER SUPPLY	I.T.E. POWER SUPPLY
	Bureau Of Indian Standards for GT-81081-6012-T3, GT-81081-6014-0.8-T3, GT-81081-6015-T3
	Indoor Use Only - Mark is on the label or Molded in the case
IP40	Ingress Protection: ?IP40 to IEC60529:2001 Protection against granular foreign bodies
 DC-E-071-001,2 PRECAUCION: PARA USO EN EQUIPOS ELECTRONICOS SOLAMENTE	IRAM certificate to IEC 60950-1:2005 + A1:2009
	Korea KET KC Mark GT-81081-6012-T3 HU10499-10004A (12V, 14V Only)

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Page 11 of 13

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Model:GT-81081-60VV-x.x-T3

May 4, 2024

 직류전원장치 AC/DC ADAPTER KTC HU10499-14019A MSIP-REM-GSZ-81081-6015 최저소비효율기준 만족 제품 모델명:GT-81081-6015-T3 Mfr. Name: GLOBTEK (SUZHOU) A/S Center: 10-6221-6100	Korea KET KC Mark GT-81081-6015-T3&T3A HU10499-14019A (14V, 14.1V, 15V, 16V, 19V)
 직류전원장치 AC/DC ADAPTER KTC HU10499-12009A 최저소비효율기준 만족 제품 모델명:GT-81081-6024-T3 Mfr. Name: GLOBTEK (SUZHOU) A/S Center: 10-6221-6100	Korea KET KC Mark GT-81081-6024-T3,T3A,T3CCHU10499-12009A (20V, 22V, 24V)
LEVEL 3	LEVEL 3
 230V	Efficiency: complies to section 301 of Energy Independence and Security Act (EISA) complies v Energy Star tier 2 (North America), ECP tier 2 (China), MEPS tier 2 (Australia), Code of Conduc (Europe)
EFFICIENCY LEVEL  115V	Efficiency: complies to section 301 of Energy Independence and Security Act (EISA) complies v Energy Star tier 2 (North America), ECP tier 2 (China), MEPS tier 2 (Australia), Code of Conduc (Europe)
LPS	Limited Power Source 60950
 	NOM (Mexico) to NOM-001-SCFI-1993 GT-81081-6012 (6015) -T3 for 12V and 15V
 EEV1191	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 the procedure listed in the following link for proper import to Japan: https://www.globtek.com/r2/Szj4Vb
 GMA-512296-EA	RCM certificate GMA-512296-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 (RO http://www.ce-mark.com/Rohs%20final.pdf

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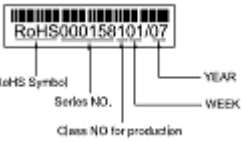
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May 4, 2024

	Serial Number Information
	UKCA Certification
	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.f) Mark is on the label or Molded in the case