

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

Model:GT-81081-60VV-x.x-T3A

May 25, 2019

GT-81081-60VV-x.x-T3A

Information

Model Number GT-81081-60VV-x.x-T3A

Description GT-81081-60VV-x.x-T3A, ITE Power Supply, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C6 AC Inlet Connector, Class I, Earth Ground (aka "Mickey Mouse"), Output Rating: 60 Watts, Power rating with convection cooling (W) , 12-24V in 0.1V increments, Approvals: FCC; C-Tick; Level 3; CB 60950; CCC; cULus; CE; China RoHS; Class I; EMC; RoHS; ITE; IRAM; Level III 230V; Level IV 115V; LPS; NEMKO 60950; NrCAN; PSE; Ukraine; VCCI; WEEE; CU Kazakhstan; SGS (Brazil); RCM;

Model Picture



Agency

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

CE

EC-Declaration https://www.globtek.com/pdf/ec_declaration/a0Oa000000C1oumEAB

RoHS/RoHS2

Declaration https://www.globtek.com/pdf/rohs_cert/a0Oa000000C1oumEAB

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

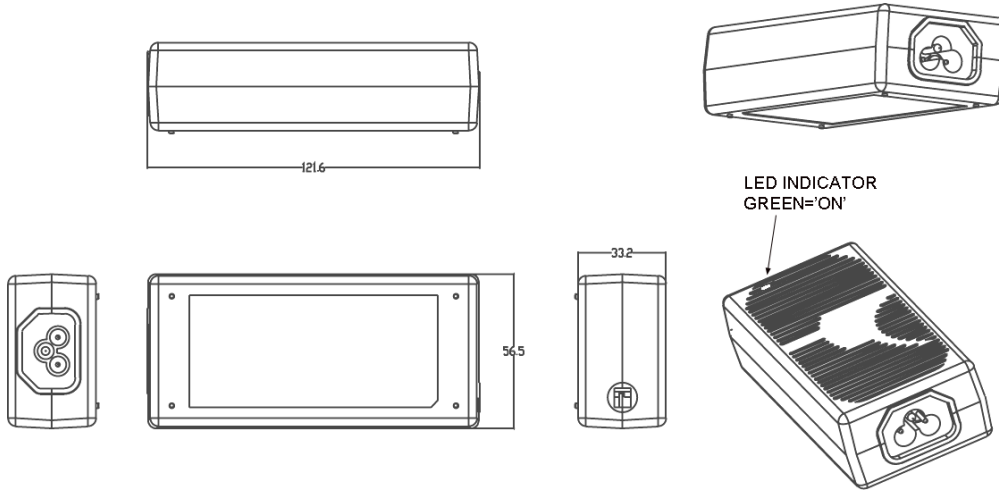
Type	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1.5A
Wattage (W)	60.0
Vout Range (V)	12-24
Efficiency Level	IV @ 115V / III @ 230V
Ingress Protection	IP40
Size (mm)	121*56*32

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-81081-6012-T3A	12 V	5	60.00	RFQ
GT-81081-6015-T3A	15 V	4	60.00	RFQ
GT-81081-6018-T3A	18 V	3.33	59.94	RFQ
GT-81081-6020-T3A	20 V	3	60.00	RFQ
GT-81081-6024-T3A	24 V	2.5	60.00	RFQ

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

1. Input Voltage: Specified 90-264 Vac, Nameplate rated 100-240 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 μ f ceramic capacitor in parallel with 10 μ f electrolytic capacitor connected at the end of output connector
6. Turn-On/Turn-Off Overshoot: 5% maximum, 500 μ s 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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DERATING CURVE

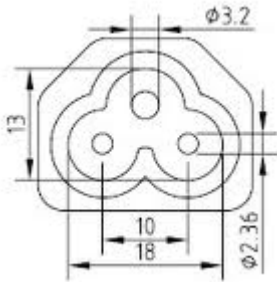
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Input Configuration

Description IEC 60320/C6 AC Inlet Connector, Class I, Earth Ground (aka "Mickey Mouse")



Mates with IEC 60320/C5 Plug

Standard International IEC 320/C5 Cordsets

Below are standard cordsets which are "not included" (unless stated above); these can be purchased separately or package 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.

Part Number / Link	Country	Plug	Connector	Length (mm)	Length (ft)
3021066F712(R)	N. American (Type B)	NEMA 5-15P	IEC 320/C5	1880	6
1191068F0712(R)	N. American (Type B)	NEMA 5-15P Hospital	IEC 320/C5	2459	8
2064262M0712(R)	Australian (Type I)	AS3112 / 3 PRONG	IEC 320/C5	2050	7
204B4262M0712(R)	Brazil (Type N)	BRAZIL	IEC 320/C5	2050	7
6023592M5712(R)	China (Type I)	CCC GR2099	IEC 320/C5	2500	8
23144262M0712(R)	Europe (Type E)	CEE 7/7	IEC 320/C5	2050	7
2084262M0712(R)	S.Africa (Type M)	S.Africa	IEC 320/C5	2050	7
23024262M0712(R)	Italy (Type L)	CEI 23-16/VII	IEC 320/C5	2050	7
3003316F0712(R)	Japan (Type B)	JIS 8303 / 3 PINS	IEC 320/C5	1830	6
3021066F0712ULPSE(R)	Japan / USA (Type B)	JIS 8303 / 3 PINS + NEMA 5-15P	IEC 320/C5	1830	6
23214262M0712(R)	Switzerland (Type J)	SEV 1011 (EL 203)	IEC 320/C5	2050	7
6104262M0712(R)	UK, Hong Kong, Singapore, Gulf States (Type G)	BS1363	IEC 320/C5	2050	7

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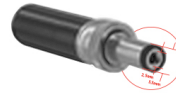
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Output Configuration

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](#)












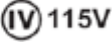

Contact GlobTek for your specific requirements or custom solutions.

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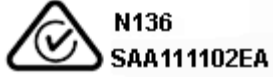





Approvals

Logo	Description
	Attention Mark / Refer to operating manual for operating and service instructions
	C-Tick GT-81081-T3(A) N4292 SAA111102EA
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
	IRAM certificate to IEC 60950-1:2005 + A1:2009
PRECAUCION: PARA USO EN EQUIPOS ELECTRONICOS SOLAMENTE	
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 w Class I Warning Nemko EN60950-1:2006, A11, A1, A12
Apparatet må tilkoples jordet stikkontakt	

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	Natural Resources Canada (NRCAN): CSA Standard C381.1-08, QSP NRCAN EEV1191; http://shop.csa.ca/en/canada/energy-efficiency/canca-c381-1-08/invt/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 .
	RCM certificate SAA111102EA; 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 (ROHS-3) http://www.ce-mark.com/Rohs%20final.pdf
 RoHS Symbol Serial NO. YEAR WEEK Class NO for production	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)
	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