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Model:GT-81091-60VV-x.x-T3A

August 17, 2019

## GT-81091-60VV-x.x-T3A

### Information

Model Number GT-81091-60VV-x.x-T3A

Description GT-81091-60VV-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: ITE; WEEE; VCCI; PSE; NEMKO 60950; LPS; Level V; Level 3; UL/cUL; Class I; CE; CB 60950;

Model Picture



Agency Documents <http://globtek.info/certs/GT-81091-T2 T3 T3A>

CE Declaration [https://www.globtek.com/pdf/ec\\_declaration/a0Oa000000HV3H6EAL](https://www.globtek.com/pdf/ec_declaration/a0Oa000000HV3H6EAL)

RoHS/RoHS2 Declaration [https://www.globtek.com/pdf/rohs\\_cert/a0Oa000000HV3H6EAL](https://www.globtek.com/pdf/rohs_cert/a0Oa000000HV3H6EAL)

REACH Declaration [https://www.globtek.com/pdf/iso\\_certificates/REACH.pdf](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**

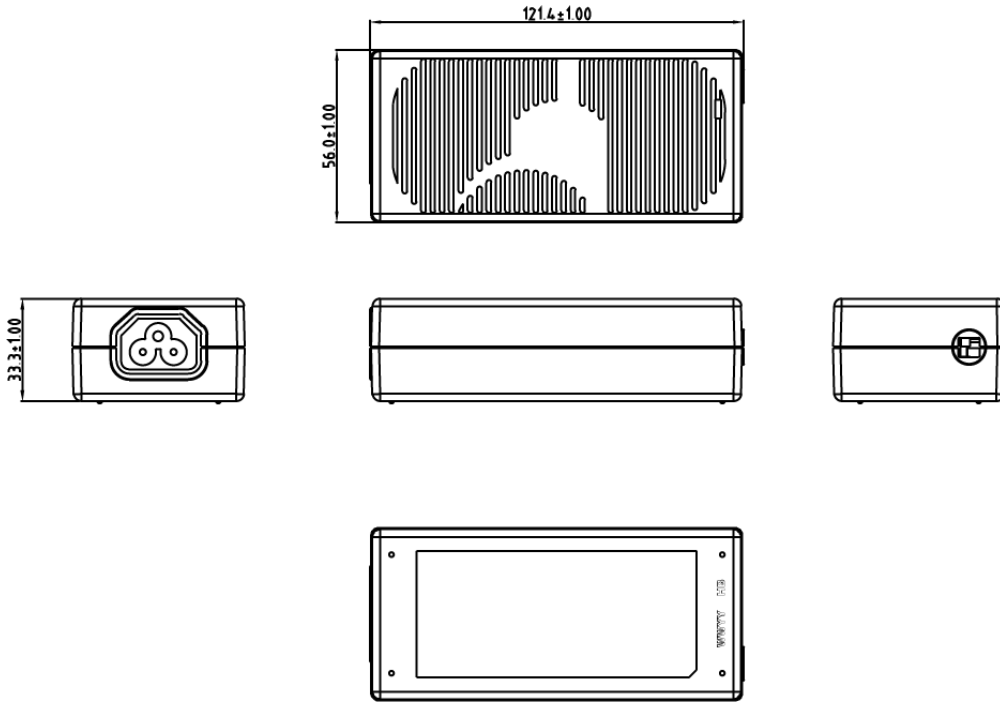
Type	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1.5A
Wattage (W)	60.0
Vout Range (V)	12-24
Efficiency Level	V
Ingress Protection	IP40
Size (mm)	

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ENCLOSURE



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**RATING TABLE**

Model Number Voltage Amps(A) Watts(W) RFQ

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**SPECIFICATIONS****A) ELECTRICAL SPECIFICATIONS:**

1. Input Voltage: 100-240 Vac
2. Input Current: 0.6 A RMS max
3. Input Frequency: 47 - 63 Hz
4. Output Power (Rated): 25Watts max
5. Output Regulation: +/- 5% measured at the output connector
6. Line Voltage Regulation: +/- 1% maximum at full load
7. 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
8. Turn-On/Turn-Off Overshoot: 5% maximum, 500uS maximum recovery time for 25% to 50% step load
9. Turn-On Delay: 3000 mSEC maximum at full load, 115VAC
10. Hold-Up Time: 10mS minimum at nominal input and full load
11. Inrush Current: 30A typical at 115VAC input and 60A typical at 230 VAC input
12. Switching Frequency: 65 KHz typical

**B) PROTECTION**

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

**C) SAFETY**

1. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
2. Earth Leakage Current: <3.5 mA @ 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: 0% to 90% relative humidity
4. Storage Temperature: -10°C to 80°C
5. ROHS 2: Complies with EU 2011/65/EU & 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: 84.0\* 56.0\*37.9 mm +/-1.0
4. Green LED indicator for power "Power On"

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DERATING CURVE

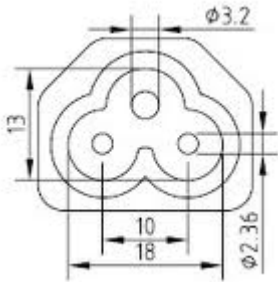
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**Input Configuration**

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)
<a href="#">3021066F712(R)</a>	N. American (Type B)	NEMA 5-15P	IEC 320/C5	1880	6
<a href="#">1191068F0712(R)</a>	N. American (Type B)	NEMA 5-15P Hospital	IEC 320/C5	2459	8
<a href="#">2194262M0712(R)</a>	Argentina (Type I)	IRAM 2073	IEC320/C5	2050	6.7
<a href="#">2064262M0712(R)</a>	Australian (Type I)	AS3112 / 3 PRONG	IEC 320/C5	2000	6.6
<a href="#">204B4262M0712(R)</a>	Brazil (Type N)	BRAZIL	IEC 320/C5	2000	6.6
<a href="#">6023592M5712(R)</a>	China (Type I)	CCC GR2099	IEC 320/C5	2500	8
<a href="#">23144262M0712(R)</a>	Europe (Type E)	CEE 7/7	IEC 320/C5	2050	6.6
<a href="#">2313K3432M0712(R)</a>	Korea (Type F)	KS C 8305	IEC 320/C5	2000	6.6
		India IS 1293 (also known			

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<a href="#">205IN4262M0712(R)</a>	India (Type D) as IA16A3 or BS546)	IEC320/C5	2000	6.6
<a href="#">377C4262M0712(R)</a>	Israel (Type H) ISL	IEC320/C5	2050	6.7
<a href="#">23024262M0712(R)</a>	Italy (Type L) CEI 23-16/VII	IEC 320/C5	2000	6.6
<a href="#">3003316F0712(R)</a>	Japan (Type B) JIS 8303 / 3 PINS	IEC 320/C5	1830	6
<a href="#">3021066F0712ULPSE(R)</a>	Japan / USA (Type B) JIS 8303 / 3 PINS + NEMA 5-15P	IEC 320/C5	1830	6
<a href="#">2054262M0712(R)</a>	S. Africa (Type D) South Africa SABS164-1 (6A type plug)	IEC320/C5	2050	6.7
<a href="#">2084262M0712(R)</a>	S.Africa (Type M) South Africa SABS164-1 (16A type plug)	IEC 320/C5	2000	6.6
<a href="#">23214262M0712(R)</a>	Switzerland (Type J) SEV 1011 ( EL 203)	IEC 320/C5	2000	6.6
<a href="#">3003316F0712(R)</a>	Taiwan (Type B) BSMI	IEC 320/C5	2000	6.6
<a href="#">6104262M0712(R)</a>	UK, Hong Kong, Singapore, Gulf States (Type G) BS1363	IEC 320/C5	2000	6.6



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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	CB Certificate IEC 60950-1:2005 (2nd Edition), Am 1: 2009, CB report IEC 60950-1:2005 (2nd Edition), Am 1: 2009 and EN 60950-1:2006 + Am 1:2010 + Am 11:2009 + Am 12:2011
	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
 LISTED 4800 E341351 I.T.E. POWER SUPPLY	UL60950-1, cULus to UL 60950-1, 2nd Edition, 2007-03-27 and CSA C22.2 No. 60950-1-07, 2nd Edition, 2007-03
 LEVEL 3	I.T.E. POWER SUPPLY Indoor Use Only - Mark is on the label or Molded in the case LEVEL 3
<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
 Apparatet må tilkoples jordet stikkontakt	Nemko w Class I Warning Nemko EN60950-1:2006, A11, A1, A12
 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: <a href="http://en.globtek.com/importing-to-japan.php">http://en.globtek.com/importing-to-japan.php</a> .
 RoHS Symbol Serial NO. Class NO for production	Serial Number Information
 	Japan: Voluntary Control Council for Interference (VCCI) WEEE: Complies with EU 2012/19/EU ( <a href="http://ec.europa.eu/environment/waste/weee/index_en.htm">http://ec.europa.eu/environment/waste/weee/index_en.htm</a> ) Mark is on the label or Molded in the case