

Model:GT-41130-20VV-x.x-T3A

May 4, 2024

GT-41130-20VV-x.x-T3A

Information

Model Number

GT-41130-20VV-x.x-T3A

Description

GT-41130-20VV-x.x-T3A, ICT/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: 24 Watts, Power rating with convection cooling (W) , 12-24V in 0.1V increments, Approvals: UKCA; CB 60950; CCC; CE; China RoHS; RoHS; UL/cUL; FCC; GOST-R; IP40; Level V; NrCAN; PSE; RCM; Ukraine; VCCI; WEEE; Class I; LPS 60950; Korea (15V, 16V, 24V); South Africa (pending); Israel (24V only); Malaysia; Taiwan BSMI (10, 12, 15, 16, 24V on; IRAM;Nigeria; HKSM; Kuwait (24V only); South Africa; Nigeria;

Model Picture



Agency Documents

<http://www.globtek.info/certs/GT-41130-T2-T3-T3A/>

CE EC-Declaration

https://www.globtek.com/pdf/ec_declaration/a00a000000BzyEcEAJ

RoHS/RoHS2 Declaration

https://www.globtek.com/pdf/rohs_cert/a00a000000BzyEcEAJ

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:GT-41130-20VV-x.x-T3A

May 4, 2024

MODEL PARAMETERS

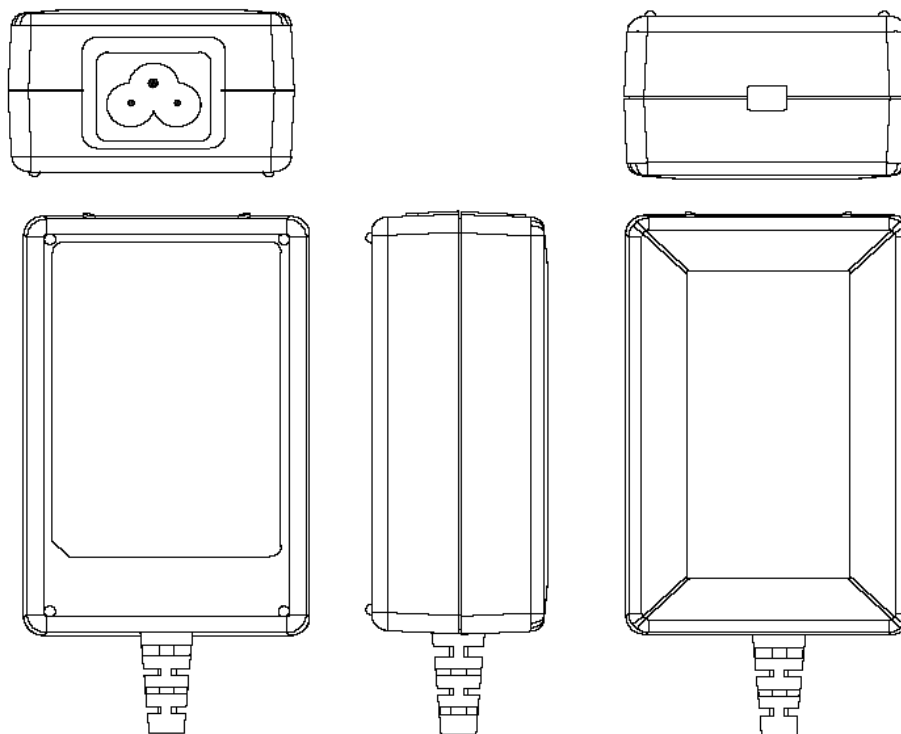
Type	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.8A
Wattage (W)	24.0
Vout Range (V)	12-24
Efficiency Level	V
Ingress Protection	IP40
Size (mm)	50*81*31

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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-41130-2012-T3A	12 V	2	24.00	RFQ
GT-41130-2024-9.0-T3	15 V	1.6	24.00	RFQ
GT-41130-2024-6.0-T3A	18 V	1.33	23.94	RFQ
GT-41130-2024-T3A	24 V	1	24.00	RFQ

Model:GT-41130-20VV-x.x-T3A

May 4, 2024

SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
03. Output Regulation: +/- 5% measured at the output connector
04. Line Voltage Regulation: +/- 1% typical measured at output connector
05. 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 the output connector at nominal line
06. Turn-ON/OFF Overshoot: 5% maximum, 1 mS typical recovery time for 25% step load
07. Turn-ON Delay: 1 Sec, typical
08. Hold-Up Time: 8 mS typical at nominal input voltage and full load
09. Inrush Current: 30A typical at 115VAC input and 60A typical at 230 VAC input
10. Switching Frequency: 65 KHz typical

B) PROTECTION

01. Over-Voltage: Protected Zener clamp across the output
02. Short Circuit: Protected unit will auto recover upon removal of fault
03. Input Protection: Input line fusing

C) SAFETY

01. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
02. Touch Current: <0.25mA @ 240Vac input voltage
03. Earth continuity test:<0.1 Ohm or < 0.2 Ohm when with a non-detachable Power Supply cord, Class I Only
04. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 40°C ambient temperature
03. Humidity: 0% to 90% relative humidity
04. Storage Temperature: -10°C to 80°C
05. Cooling: Convection

E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 50 x 80.6 x 31mm +/- 1.0
03. Markings: Pad Printed and/or Molded into the case

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Model:GT-41130-20VV-x.x-T3A

May 4, 2024

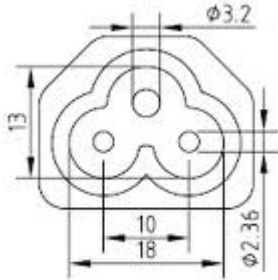
DERATING CURVE

Model:GT-41130-20VV-x.x-T3A

May 4, 2024

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	
2194262M0712(R)	Argentina (Type I)	IRAM 2073	IEC320/C5 2050	6.7	
2064262M0712(R)	Australian (Type I)	AS3112 / 3 PRONG	IEC 320/C5 2000	6.6	
204B4262M0712(R)	Brazil (Type N)	BRAZIL	IEC 320/C5 2000	6.6	
6023592M5712(R)	China (Type I)	CCC GR2099	IEC 320/C5 2500	8	
23144262M0712(R)	Europe (Type E)	CEE 7/7	IEC 320/C5 2050	6.6	
2313K3432M0712(R)	Korea (Type F)	KS C 8305	IEC 320/C5 2000	6.6	
205IN4262M0712(R)	India (Type D)	India IS 1293 (also known as IA16A3 or BS546)	IEC320/C5 2000	6.6	
377C4262M0712(R)	Israel (Type H)	ISL	IEC320/C5 2050	6.7	
23024262M0712(R)	Italy (Type L)	CEI 23-16/VII	IEC 320/C5 2000	6.6	
3003316F0712(R)	Japan (Type B)	JIS 8303 / 3 PINS	IEC 320/C5 1830	6	
	Japan / USA	JIS 8303 / 3 PINS +			

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<https://www.globtek.com/ds/DyrXxu4bp3v/6rPsrj7jmbw.html>

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Model:GT-41130-20VV-x.x-T3A

May 4, 2024

3021066F0712ULPSE(R)	(Type B)	NEMA 5-15P	IEC 320/C5 1830	6
2054262M0712(R)	S. Africa (Type D)	South Africa SABS164-1 (6A type plug)	IEC320/C5 2050	6.7
2084262M0712(R)	S.Africa (Type M)	South Africa SABS164-1 (16A type plug)	IEC 320/C5 2000	6.6
23214262M0712(R)	Switzerland (Type J)	SEV 1011 (EL 203)	IEC 320/C5 2000	6.6
3003316F0712(R)	Taiwan (Type B) BSMI		IEC 320/C5 2000	6.6
6104262M0712(R)	UK, Hong Kong, Singapore, Gulf States (Type G)	BS1363	IEC 320/C5 2000	6.6

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Model:GT-41130-20VV-x.x-T3A

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
 R32282 RoHS (Pb)	BSMI Taiwan GT-41130-2024-T3(A) (10, 12, 15, 16, 24 designs only); CNS143361-1 (99) CNS13438 (95) http://www.bsmi.gov.tw/wSite/ct?xItem=4072&ctNode=816&mp=2
No Logo	CB Certificate IEC 60950-1:2005 (2nd Edition), Am 1: 2009 + Am 2:2013
	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-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
	UL60950-1, cULus to UL 60950-1, 2nd Edition, 2007-03-27 and CSA C22.2 No. 60950-1-07, 2 Edition, 2007-03
	FCC PART 15 CLASS B
	GOST-R mark for Russia(Document: http://www.globtek.com/html/iso_certificates/GT_GOST-F 03/15/2015. Due to lack of demand, GlobTek will not be renewing it's GOST certification. Please contact your sales engineer for pricing on EAC.
	Hong Kong Safety Mark License IEC60950-1:2005 + A1:2009

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May 4, 2024

	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-G71-001.5 PRECAUCION: PARA USO EN EQUIPOS ELECTRONICOS SOLAMENTE	IRAM certificate DC-E-G71-001.5 to IEC 60950 + A1:2009
ITE כוח קפס	Electric strength Of Israel Standard SI 60950 Part 1 ? Safety of information technology equipm General requirements, Feb. 2012. (GT-41130-2024-T3A Only)
 직류전원장치 AC/DC ADAPTER KTC HU10499-14017A MSIP-REM-GSZ-41130-2024-T3 전기용품안전관리법에 의한 표시 모델명:GT-41130-2024-T3 Mfr. Name: GLOBTEK (SUZHOU) CO.,LTD A/S Center:10-6221-6100	Korea KET KC Mark GT-41130-2024-T3A & T3 HU10499-14017A (15V, 16V, 24V)
No Logo	Kuwait GT-41130-2024-T3A IEC 60950-1 Ed 2:2012 (24V Only)
EFFICIENCY LEVEL 	Efficiency: complies to section 301 of Energy Independence and Security Act (EISA) complies Energy Star tier 2 (North America), ECP tier 2 (China), MEPS tier 2 (Australia), Code of Condu (Europe)
LPS	Limited Power Source 60950
No Logo	Malaysia ST Release Letter GT-41130-T2 -T3(A) IEC60950-1:2005 (ED.2) + A1:2009 No logo
No logo	Standards Organisation of Nigeria
No Logo	Nigeria License GT-41130-2024-T3A IEC60950-1 No logo
 EEV1191	Natural Resources Canada (NRCAN): CSA Standard C381.1-08, QSP NRCAN EEV1191; http://shop.csa.ca/en/canada/energy-efficiency/canicsa-c3811-08/inv/27024802008

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Model:GT-41130-20VV-x.x-T3A

May 4, 2024

 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
	RCM 5291; 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
No Logo	12
No Logo	SOUTH AFRICAN SANS IEC 60950 for GT-41130-2024-T3A (pending)
	UKCA Certification
	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). Mark is on the label or Molded in the case