

Model:GT-41130-20VV-W2

April 29, 2024

GT-41130-20VV-W2

Information

Model Number	GT-41130-20VV-W2
Description	GT-41130-20VV-W2, ICT/ITE Power Supply, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, NEMA 1-15P, North America Blades, Class II 2 Conductors, Output Rating: 24 Watts, Power rating with convection cooling (W) , 10-24V in 0.1V increments, Approvals: EAC; CB 60950; CCC (pending); Double Insulation; WEEE; RoHS; Level V; NrCAN; PSE; Ukraine; VCCI; cULus; IP41; LPS 60950; PSE; China RoHS;
Model Picture	
Agency Documents	http://www.globtek.info/certs/GT-41130-W2/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0O30000008UmaxEAC
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O30000008UmaxEAC
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

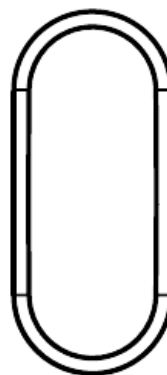
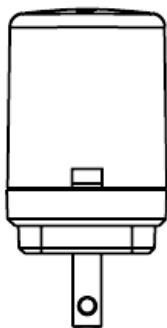
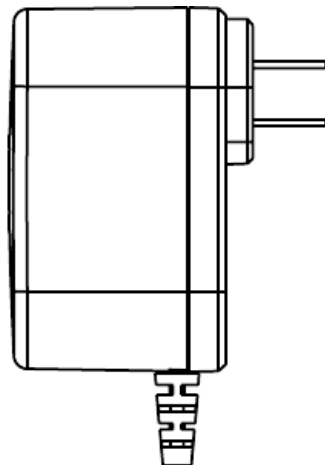
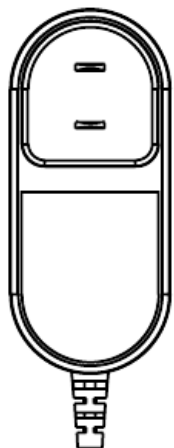
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.8A
Wattage (W)	24.0
Vout Range (V)	10-24
Efficiency Level	V
Ingress Protection	IP41
Size (mm)	50*81*31

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-41130-2016-11.0-W2	5 V	3	15.00	RFQ
GT-41130-2016-6.0-W2	10 V	2	20.00	RFQ
GT-41130-2016-4.0-W2	12 V	2	24.00	RFQ
GT-41130-2016-2.2-W2	13.8 V	1.73	23.87	RFQ
GT-41130-2016-1.0-W2	15 V	1.6	24.00	RFQ
GT-41130-2016-W2	16 V	1.5	24.00	RFQ
GT-41130-2024-6.0-W2	18 V	1.33	23.94	RFQ
GT-41130-2424-W2	24 V	1	24.00	RFQ

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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 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
04. Turn-ON/OFF Overshoot: 5% maximum, 1 mS typical recovery time for 25% step load
05. Turn-ON Delay: 1 second, typical
06. Hold-Up Time: 8 mS typical at nominal input voltage and full load
07. Inrush Current: 30A typical at 115VAC input and 60A typical at 230VAC input
08. 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

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: 47.6*82.7*37.7mm +/-1.0 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case

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DERATING CURVE

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INPUT CONFIGURATION

Description	NEMA 1-15P, North America Blades, Class II 2 Conductors
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All NEMA 1 devices are two-wire non-grounding devices (hot-neutral) rated for 125 V maximum. NEMA 1-15P plugs have two parallel flat blades, 0.25 inches (6.35 mm) wide, 0.06 inches (1.524 mm) thick, 0.625-0.718 inches (15.875–18.256 mm) long, and spaced 0.5 inches (12.7 mm) apart.

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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
No Logo	CB Certificate IEC 60950-1:2005 (2nd Edition), Am 1: 2009 + Am 2:2013
	CCC to GB4943.1-2011 GB9254-2008 GB17625.1-2012 (pending
	CHINA SJ/T 11364-2014, China RoHS Chart: http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf
	UL 60950-1, 2nd Edition, 2007-03-27 (Information Technology Equipment - Safety - Part 1: General Requirements) CSA C22.2 No. 60950-1-07, 2nd Edition, 2007-03 for 10VDC,12VDC,15VDC,16VDC,24VDC
	
	Certification # TC RU AR46.B.69004 Custom Union of Russia, Belarus and Kazakhstan
	Indoor Use Only - Mark is on the label or Molded in the case
IP41	Ingress Protection: ?IP41 to IEC60529:2001 Protection against granular foreign bodies - Protected against vertically falling drops of water
 GlobTek, Inc.	JAPAN TUV R-PSE, Cert. No. JD 50473430, to J62368-1(H30) , J55032(H29),J3000(H25)[15V or less]. Please reference the following website for guidelines on PSE regulations: https://www.globtek.com/r2/Szj4Vb
EFFICIENCY LEVEL 	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 60950
 EEV1191	Natural Resources Canada (NRCAN): CSA Standard C381.1-08, QSP NRCAN EEV1191; http://shop.csa.ca/en/canada/energy-efficiency/canicsa-c3811-08/invt/27024802008

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 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: https://www.globtek.com/r2/Szj4Vb
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
 10276	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.htm) Mark is on the label or Molded in the case