

Model:GT-41130-20VV-W2U

May 6, 2024

## GT-41130-20VV-W2U

### Information

Model Number	GT-41130-20VV-W2U
Description	GT-41130-20VV-W2U, ICT/ITE Power Supply, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, UK BS 1363, 2 Blade w/Dummy Ground Class II, Output Rating: 24 Watts, Power rating with convection cooling (W) , 10-24V in 0.1V increments, Approvals: CB 60950; UKCA; China RoHS; Double Insulation; GOST-R; IP41; Level V; LPS 60950; NEMKO 60950; NrCAN; RoHS; Ukraine; WEEE; CE;
Model Picture	
Agency Documents	<a href="#">GT-41130-20VV-W2/W2E</a>
CE EC-Declaration	<a href="https://www.globtek.com/pdf/ec_declaration/a0O30000008UmbCEAS">https://www.globtek.com/pdf/ec_declaration/a0O30000008UmbCEAS</a>
RoHS/RoHS2 Declaration	<a href="https://www.globtek.com/pdf/rohs_cert/a0O30000008UmbCEAS">https://www.globtek.com/pdf/rohs_cert/a0O30000008UmbCEAS</a>
REACH Declaration	<a href="https://www.globtek.com/pdf/iso_certificates/REACH.pdf">https://www.globtek.com/pdf/iso_certificates/REACH.pdf</a>
Conflict Minerals Declaration	<a href="https://www.globtek.com/pdf/conflict-minerals.pdf">https://www.globtek.com/pdf/conflict-minerals.pdf</a>

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**MODEL PARAMETERS**

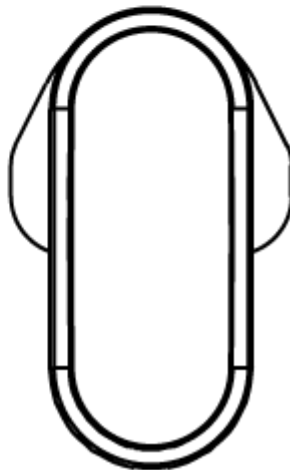
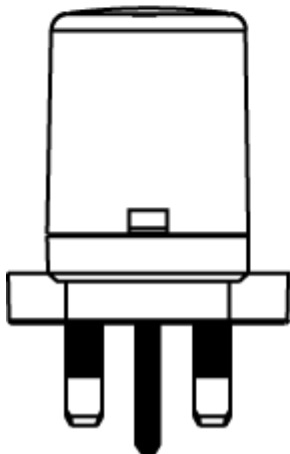
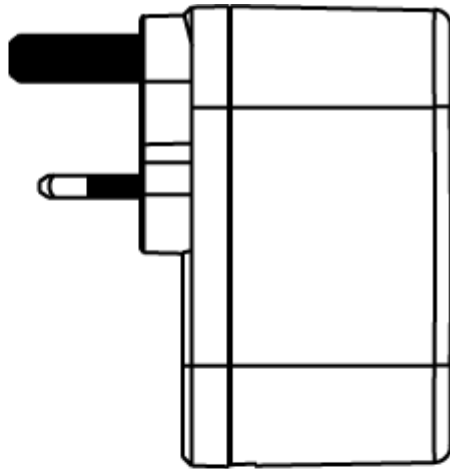
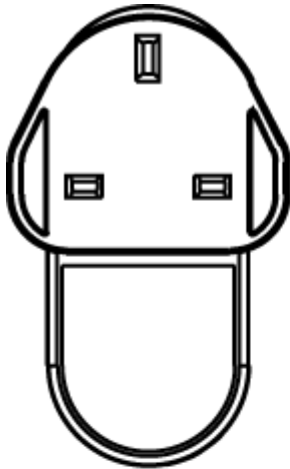
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.8A
Wattage (W)	24.0
Vout Range (V)	10-24
Efficiency Level	V
Ingress Protection	IP41
Size (mm)	50*81*31

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## ENCLOSURE



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## RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-41130-2016-4.0-W2U	12 V	2	24.00	<a href="#">RFQ</a>
GT-41130-2016-1.0-W2U	15 V	1.6	24.00	<a href="#">RFQ</a>
GT-41130-2024-6.0-W2U	18 V	1.33	23.94	<a href="#">RFQ</a>
GT-41130-2024-W2U	24 V	1.5	36.00	<a href="#">RFQ</a>

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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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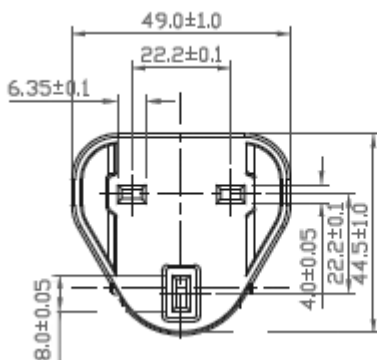
## INPUT CONFIGURATION

Description UK BS 1363, 2 Blade w/Dummy Ground Class II

The line and neutral pins have a rectangular cross section 6.35 mm by 4.0 mm, 17.7 mm long and with centres 22.2 mm apart. The protective-earth pin is a rectangular cross section 8.0 mm by 4.0 mm, 22.3 mm long and with a centre line 22.2 mm from the line/neutral pin centre line. The dimensions were originally specified in decimal inches with asymmetric tolerances and redefined as minimum and maximum metric dimensions in BS 1363:1984.

Dimensions are chosen to provide safe clearance to live parts. The distance from any part of the line and neutral pins to the periphery of the plug base must be not less than 9.5 mm. This ensures that nothing can be inserted alongside a pin when the plug is in use, and helps keep fingers away from the pins. The minimum insertion distance from the face of the socket-outlet to the first point of contact with a live part is 9.6 mm.

The "Dummy" longer earth pin ensures that the earth path is connected before the live pins, and remains connected after the live pins are removed. The earth pin is too large to be inserted into the line or neutral sockets by mistake.



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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)



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design

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## Approvals

Logo	Description
No Logo	CB Certificate IEC 60950-1:2005 (2nd Edition), Am 1: 2009 + Am 2:2013
	CE Certification
	CHINA SJ/T 11364-2014, China RoHS Chart: <a href="http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf">http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf</a>
	
	GOST-R mark for Russia(Document: <a href="http://www.globtek.com/html/iso_certificates/GT_GOST-R.pdf">http://www.globtek.com/html/iso_certificates/GT_GOST-R.pdf</a> ). 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.
	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
<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 60950
	NEMKO EN60950-1:2006, A11, A1, A12, A2
 EEV1191	Natural Resources Canada (NRCAN): CSA Standard C381.1-08, QSP NRCAN EEV1191; <a href="http://shop.csa.ca/en/canada/energy-efficiency/canca-c3811-08/invt/27024802008">http://shop.csa.ca/en/canada/energy-efficiency/canca-c3811-08/invt/27024802008</a>
RoHS	Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-EU (ROHS-3) <a href="http://www.ce-mark.com/Rohs%20final.pdf">http://www.ce-mark.com/Rohs%20final.pdf</a>

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	UKCA Certification
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	Ukraine UKRSepr (Document: <a href="http://www.globtek.com/html/iso_certificates/GT_Ukraine.pdf">www.globtek.com/html/iso_certificates/GT_Ukraine.pdf</a> )
	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