

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

Model:GT-F6250-WWVV-X.X-W2

May 7, 2024

GT-F6250-WWVV-X.X-W2

Information

Model Number	GT-F6250-WWVV-X.X-W2
Description	GT-F6250-WWVV-X.X-W2, ICT/ITE Power Supply, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60Hz, NEMA 1-15P, North America Blades, Class II 2 Conductors, Output Rating: 25 Watts, Power rating with convection cooling (W) , 5VV in 0.1V increments, Approvals: EAC; China RoHS; Double Insulation; Level VI; RoHS; Ukraine; VCCI; WEEE; CE;

Model Picture



Agency Documents

CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000Fk3B1EAJ
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000Fk3B1EAJ
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~, 50-60Hz
I/P Amps (A)	1A
Wattage (W)	25.0
Vout Range (V)	5V
Efficiency Level	USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782
Ingress Protection	IPX0
Size (mm)	89.6*44.7*32.2

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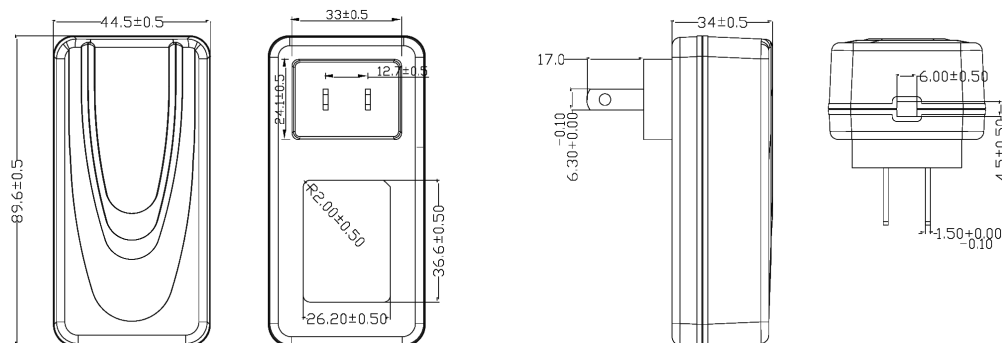
<https://www.globtek.com/ds/8c6JN4zwujt/c7yXCrsdn2b.html>

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-F6250-2505-W2	5 V	5	25.00	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 Regulation: +/- 5%
04. Ripple and Noise (Vp-p): 80 mVp-p maximum, At 20 MHz, and 47uF Low Impedance capacitor in parallel with a 0.1uF ceramic capacitors to ground. Temperature at 25 °C, and nominal input voltage (RFP RFI-74071-1)
05. Average Efficiency: 84.25% minimum, At 115VAC&230VAC input voltage, 1/4,2/4,3/4, and full load calculation average efficiency. adapter meet Efficiency level COC V5 Tier 1 and DOE VI
06. Turn-ON Delay: 5 Seconds maximum at nominal input voltage
07. Rise Time: 40mS maximum at nominal input voltage

B) PROTECTION

01. Over current protection: 5.5A maximum with auto-recovery function
02. Short Circuit: Short circuit protection is to be included in the construction of the adaptor. The adaptor is designed to withstand continuous current of a short circuit on the output. The adaptor will be short circuit tolerant for an indefinite period.

C) SAFETY

01. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
02. Leakage current: 0.25mA maximum, at nominal AC input voltage and frequency
03. ESD: 8KV(air) / 4KV (contact)

D) OTHER:

01. MTBF: 300,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 40°C ambient temperature
03. Humidity: 5% to 95% relative humidity
04. Storage Temperature: -40°C to 85°C
05. Cooling: natural convection cooling
06. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

E) ENCLOSURE

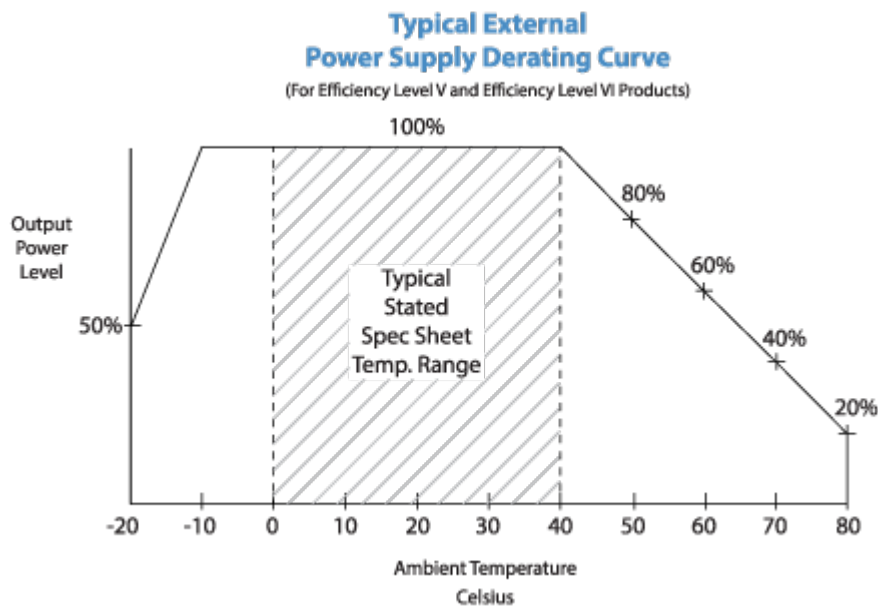
01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Markings: Label and/or Pad Printed and/or Molded in the case

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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](#)

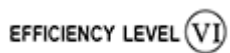
Contact GlobTek for your specific requirements or custom solutions.

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Approvals

Logo	Description
	CE Mark: tested to comply with EN55022:2010 Class B, EN61000-3-2, EN61000-3-3 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://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf
	
	Declaration ДС № EAЭC N RU Д-US.KA01.B.10453_19 Custom Union of Russia, Belarus and Kazakhstan http://www.globtek.com/redirect/?loc=gost-certificate-eac-declaration
	Indoor Use Only - Mark is on the label or Molded in the case
	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)
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
	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