

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

Model:GT-T104P500VVV-X.X-C

April 10, 2020

GT-T104P500VVV-X.X-C

Information

Model Number	GT-T104P500VVV-X.X-C
Description	GT-T104P500VVV-X.X-C, ITE Power Supply, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 90 ~ 264VAC, 127 ~ 370VDC (47 ~ 63Hz), Terminal Block, Output Rating: 500 Watts, Power rating with convection cooling (W) , 3-200V in 0.1V increments, Approvals: VCCI; Ukraine; RoHS; China RoHS; CE; WEEE;

Model Picture



Agency Documents

CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000MmgGjEAJ
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000MmgGjEAJ
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

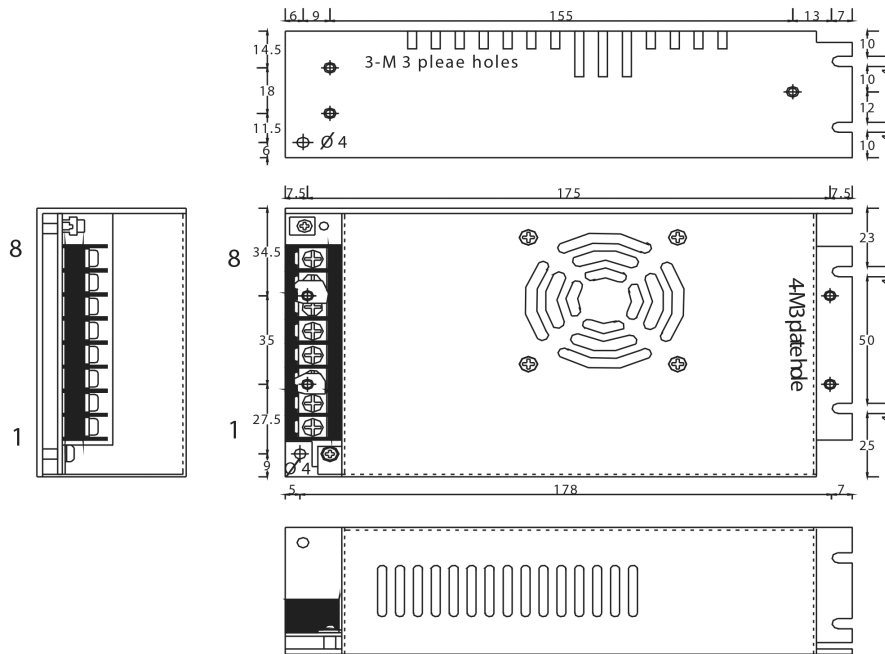
Type	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ITE Power Supply
Input Voltage	90 ~ 264VAC, 127 ~ 370VDC (47 ~ 63Hz)
I/P Amps (A)	6A
Wattage (W)	500.0
Vout Range (V)	3-200
Efficiency Level	N/A
Ingress Protection	
Size (mm)	190(L) x 106(W) x 50(H)mm

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ENCLOSURE



UNIT : mm
 DIMENSIONS : 190(L) x 106(W) x 50(H)mm
 MATERIAL : ALUMINUM
 COLOR : SILVER

PCB Barrier Terminal Block

	Pin	Single	Description
INPUT	1	N	L : Line Terminal of Input N : Neutral Terminal of Input
	2	L	FG : Ground (Earth)
	3	FG	No Polarity At DC Input
OUTPUT	4	G	NC : No connection G : DC Output Ground Terminal/Common
	5,6	G	Vx : DC Output Terminal (Specify at spec.)
	7,8	V1	

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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-T104P50012-C	12 V	41.6	499.20	RFQ
GT-T104P50024-C	24 V	20.8	499.20	RFQ

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SPECIFICATIONS

Features:

Universal AC input / Full range
Programmable output Voltage (-10% + 10%)
Split rail & Series connection possible
Protection: OVP, OLP, Short protection

ELECTRICAL SPECIFICATIONS:

Output: DC
DC Voltage Range: 3-200VDC
Rated Power: 500W,
Ripple & Noise (Max.): up to 15V: 150mVp-p, Over 15V 1% mVp-p
Voltage Adj. Range: $\pm 10.0\%$ Typical
Line Regulation: $\pm 1.0\%$
Load Regulation: $\pm 1.0\%$
Hold Up Time (Typ.): 10ms / 230VAC at full load

Input

Voltage Range: 100 ~ 240VAC, 127 ~ 380VDC
Frequency Range: 47 ~ 63Hz
Power Factor : 95% Min/110VAC
Efficiency (Typ.): up to 15V : 78%, 24V :80%, 48V : 82% above 110V :83%
Inrush Current (Typ.): 20A / 115VAC, 40A / 230VAC

Protection

Over Load: Automatic power limited
Over Voltage: Autorecovery

Environment

Working Temp.: -15 ~ +50°C (Refer to load de-rating curve)
Working Humidity: 20 ~ 90% RH non-condensing
Storage Temp. & Humidity: -20 ~ +85°C, 10 ~ 95% RH
Vibration: 2G, 10~500Hz, 3 axes

Others

Cooling: Load and temperature control fan
Dimension (WxHxD): 190x50x106 mm
Weights: 1040g

Note

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
3. Tolerance: includes setup time tolerance, line regulation and load regulation.

PROPRIETARY INFORMATION

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<http://en.globtek.com/datasheet/id/a0Oa000000MmgGj>

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4. De-rating may apply in low input voltage. Please check the de-rating curve for more details.
5. In parallel connection only one unit will operate if the total output load is less than 5% of the rated power.
6. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets
7. This test is done without enclosure.

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DERATING CURVE

N/A

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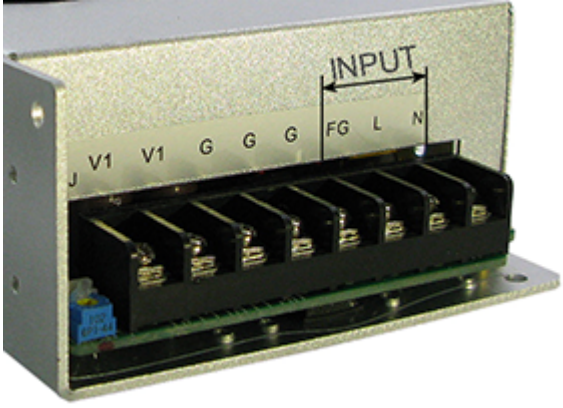
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INPUT CONFIGURATION

Description

Terminal Block



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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 EN55022:2006/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
	CHINA SJ/T 11364-2014, China RoHS Chart: http://en.globtek.com/globtek-rohs.php
	Indoor Use Only - Mark is on the label or Molded in the case
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 UKRSepra (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