Model:GT-F61800-WWVV-T3 May 3, 2024

GT-F61800-WWVV-T3

Information

Model Number	GT-F61800-WWVV-T3
Description	GT-F61800-WWVV-T3, ICT/ITE Power Supply, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C14 AC Inlet Connector, Class I, Earth Ground, Output Rating: 180 Watts, Power rating with convection cooling (W) , 12-56V in 0.1V increments, Approvals: EAC; Morocco; CE; China RoHS; Class I; PSE; RoHS; Ukraine; VCCI; WEEE;
Model Picture	
Agency Documents	http://en.globtek.com/safety-agency-documents-pending/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000MFUVoEAP
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000MFUVoEAP
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-F61800-WWVV-T3 May 3, 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)	2.5A MAX
Wattage (W)	180.0
Vout Range (V)	12-56
Efficiency Level	USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782
Ingress Protection	
Size (mm)	

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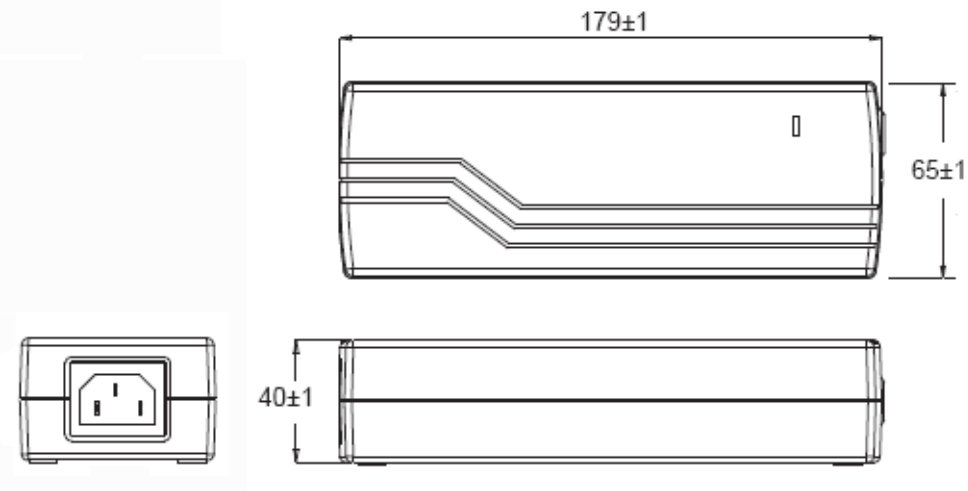
ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-F61800-15012-T3	12 V	12.5	150.00	RFQ
GT-F61800-16024-T3	24 V	6.66	159.84	RFQ
GT-F61800-13024-T3	24 V	5.41	129.84	RFQ
GT-F61800-18024-T3	24 V	7.5	180.00	RFQ

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:
1. Input Voltage: Specified 90-264 Vac, Nameplate rated 100-240 Vac
2. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60 Hz
3. Output Regulation: +/- 5% measured at the output connector
4. Line Voltage Regulation: +/- 1% typical measures at full load
5. Ripple & noise: 1.5% of Vout p-p, measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
6. Dynamic Load Regulation. ±5% excursion for 50%-100% or 100%-50% load change of DC output at any frequency up to 1KHz (duty 50%) .
7. Turn-On Time: ≤3S
8. Hold-Up Time: ≥8.3mS
9. Inrush Current: ≤100A At cold start
10. Efficiency: Meet CEC Level VI

B) PROTECTION
1. Over Voltage Protection Latch off
2. Short Circuit Protection Auto Recovery
3. Over Current Protection Auto Recovery
4. Over Temperature Protection Latch off

C) SAFETY
1 Type of protection against electric shock: Class II with function earth (3 pin AC inlet)
2. Degree of protection against ingress of water: IPX0 (ordinary)
3. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
4. Mode of operation: Continuous
5. Touch Current: <0.25mA @ 240Vac input voltage
6. Earth continuity test:<0.1 Ohm or < 0.2 Ohm when with a non-detachable Power Supply cord

D) OTHER:
1. MTBF: >30,000 hours @ 25°C ambient temperature
2. Operating Temperature: 0°C to 40°C ambient temperature
3. Humidity: 10% to 90% relative humidity
4. Storage Temperature: -20°C to 85°C
5. Altitude : 5000m
6. ROHS 2: COMPLIES WITH EU 2011/65/EU AND CHINA SJ/T 11363-2006

E) ENCLOSURE
1. Upper Housing: High impact plastic, 94V0 polycarbonate, non-vented
2. Lower Housing: High impact plastic, 94V0 polycarbonate, non-vented
3. Size: 179Lx65Wx40H (mm)
4. Weight: 705g
5. LED color; Green

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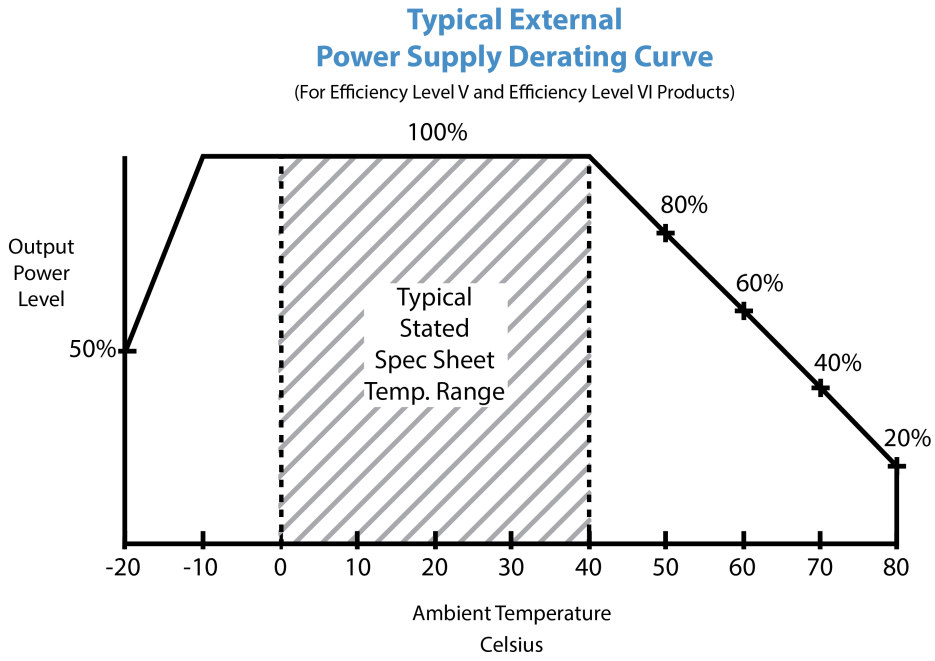
DERATING CURVE



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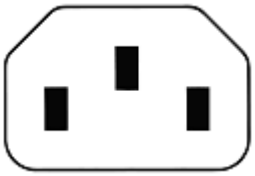
INPUT CONFIGURATION

Description IEC 60320/C14 AC Inlet Connector, Class I, Earth Ground



Mates with IEC 60320/C13 Plug

Optional Locking IEC60320 Receptable and cord option available on some models by request.:

Standard International IEC 320/C13 Cordsets

Below are standard cordsets which are "not included" (unless stated above); these can be purchased separately or packaged 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.

Stock Power Supply Cords

Part Number/ Link	Country	Plug	Termination	Length (mm)	(Ft)
3021457F701(R)	N. American (Type B)	NEMA 5-15P	IEC 320/C13	2150	7
1191068F0701(R)	N. American (Type B)	NEMA 5-15P Hospital	IEC 320/C13	2459	8
2194272M5701-T(R)	Argentina (Type I)	IRAM 2073	IEC 320/C13	2500	8
5502022M5701A(R)	Australian (Type I)	AS3112 / 3 PRONG	IEC 320/C13	2500	8
204B4272M5701(R)	Brazil (Type N)	BRAZIL	IEC 320/C13	2500	8
6023602M5701(R)	China (Type I)	CCC GR2099	IEC 320/C13	2500	8
G8014272M5701(R)	Danish (Type K)	AFSNIT SECTION 107-2-D1	IEC 320/C13	2500	8
			IEC		

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23144272M5701-T(R)	Europe (Type E)	CEE 7/7	320/C13	2500	8
23134272M5701EUKR(R)	Europe/Korea Combo (Type E)	CEE 7/7 / KSC8305	IEC 320/C13	2500	8
205IN4272M5701(R)	India (Type D)	India IS 1293 (also known as IA16A3 or BS546)	IEC 320/C13	2500	8
208IN4272M5701(R)	India (Type M)	India IS 1293 (also known as IA16A3 or BS546)	IEC320/C13	2500	8
377C4272M5701(R)	Israel (Type H)	ISL 377C	IEC 320/C13	2500	8
23024272M5701(R)	Italy (Type L)	CEI 23-16/VII	IEC 320/C13	2500	8
3003339F701(R) [3x1.25mm2] 3003068F2701-HK(R) [3 x 2.0mm2]	Japan (Type B)	JIS 8303 / 3 PINS	IEC 320/C13	2500	8
302J115J6F0701J(R)	North America / Japan (Type B – 12A)	NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved)	IEC 320/C13	1830	6
302J104J6F0701J(R)	North America / Japan (Type B – 15A)	NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved)	IEC 320/C13	1830	6
302JT104J9F0701JT(R)	North America / Japan / Taiwan (Type B – 15A)	NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved), Taiwan CNS 6797 (BSMI Approved)	IEC 320/C13	2800	9
2313K3432M5701(R)	Korea (Type F)	KS C 8305	IEC 320/C13	2500	8
5804272M5701(R)	Russia (Type F)	GOST 7396	IEC 320/C13	2500	8
2084272M5701(R)	South Africa (Type M)	South Africa SABS164-1 (16A type)	IEC 320/C13	2500	8
23214272M5701(R)	Switzerland (Type J)	SEV 1011	IEC 320/C13	2500	8
3003322M5701(R)	Taiwan (Type B)	BSMI	IEC 320/C13	2500	8
6363762M5701(R)	Thailand (Type O)	TIS 166-2549	IEC 320/C13	2500	8
PZ0800100-2M5BK13H(R	UK, Hong Kong,Singapore, Gulf States (Type G)	BS 1363A	IEC 320/C13	2500	8
7055002M5701A(R)	International	IEC 320 C14-C13	IEC 320/C13	2500	8

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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
	Attention Mark / Refer to operating manual for operating and service instructions
	CE Certification
	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 № ЕАЭС N RU Д-US.КА01.В.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
	Morocco SDoC declaration http://www.globtek.info/certs/Morocco%20SDoC%20Declaration/
	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
	UKCA Certification

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10276	Ukraine UKRSepro (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
VCCI	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

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