

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

Model:GT-53050PWWVVV-F

July 24, 2021

GT-53050PWWVVV-F

Information

Model Number	GT-53050PWWVVV-F
Description	GT-53050PWWVVV-F, ICT/ITE Power Supply, Open Frame/Internal, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: , IEC 60320/C14 AC Inlet Connector, Class I, Earth Ground, Output Rating: 600 Watts, Power rating with convection cooling (W) , 12-56V in 0.1V increments, Approvals:

Model Picture



Agency Documents

CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000KVzgXEAT
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000KVzgXEAT
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

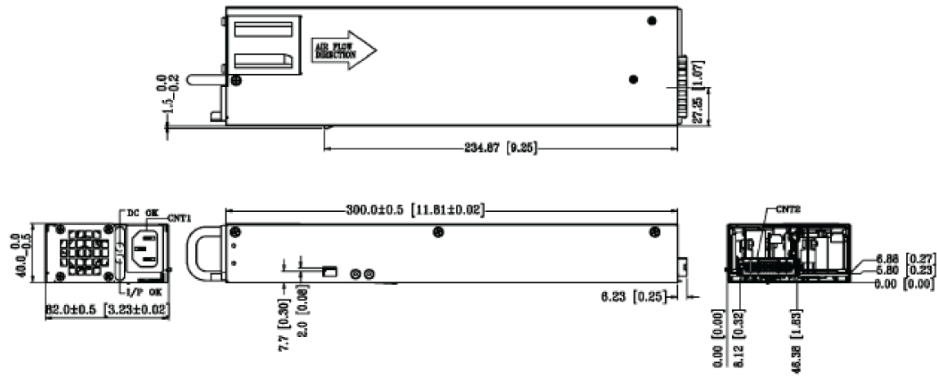
Type	Open Frame/Internal
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	
I/P Amps (A)	4.5 A
Wattage (W)	600.0
Vout Range (V)	12-56
Efficiency Level	
Ingress Protection	
Size (mm)	82x300x40

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
a17a000000MKpo6	V			RFQ

SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: Specified 90-305 Vac, Nameplate rated: 90-305 Vac
02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
03. Output Regulation:
04. Line Voltage Regulation: VO1/2 typ. $\pm 1\%$
05. Output Ripple: Typical 1% peak-peak.
06. Turn-ON/OFF:
07. Turn-ON Delay:
08. Hold-Up Time: Typical 10mS at 115Vac
09. Inrush Current: 10.4A(rms) at 230Vac, 29A (peak) at 230Vac
10. Switching Frequency: 100 KHz typical
11. Over-voltage protection: Fully protected against output overload or short circuit. OLP set at about 120-130% rating output wattage.
12. Over current /short circuit: Protected, Built-in

B) PROTECTION

01. Over-Voltage: Protected, Built-in
02. Short Circuit: Protected, Built-in
03. Input Protection: Protected, Built-in

C) SAFETY

01. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
02. Touch Current: $<0.25\text{mA}$ @ 240Vac input voltage
03. Earth Leakage Current: Typical 0.8mA at 230Vac
04. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: -10°C to 70°C ambient temperature (refer to derating chart)
03. Humidity: 0% to 90% relative humidity
04. Storage Temperature: -40°C to 85°C
05. Cooling: Built-in one internal DC ball bearing fan with smart fan speed control.

E) MECHANICAL

01. Housing: N/A, open frame
02. Size: 82.0 x 300.0 x 40.0 mm +/-0.5 mm
03. Markings: Label

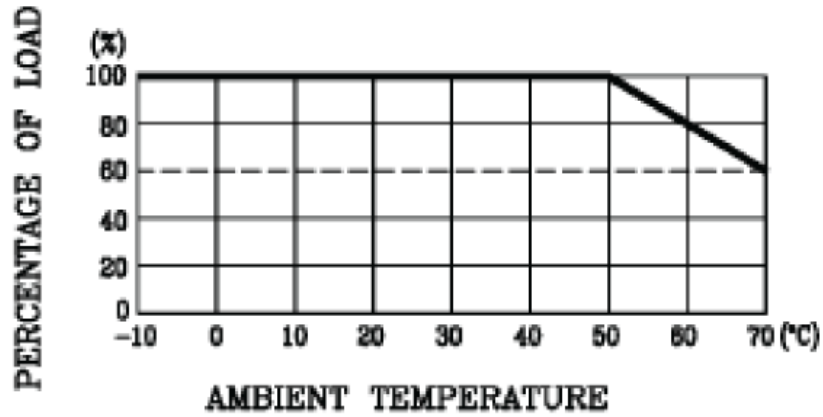
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DERATING CURVE

DERATING CHART



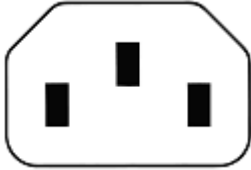
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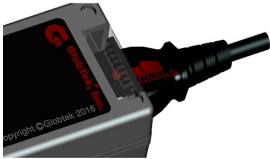
INPUT CONFIGURATION

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



Mates with IEC 60320/C13 Plug

Optional Locking IEC60320 Receptacle 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
23144272M5701-T(R)	Europe (Type E)	CEE 7/7	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]	Japan (Type B)	JIS 8303 / 3 PINS	IEC 320/C13	2500	8

PROPRIETARY INFORMATION

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<https://en.globtek.com/datasheet/id/a0Oa000000KVzgX>

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3003068F2701-HK(R) [3 x 2.0mm2]					
302J115J6F0701J(R)	Japan / North America (Type B – 12A)	JIS 8303 / 3 PINS and NEMA 5-15P (PSE and UL/CUL appr)	IEC 320/C13	1830	6
302J104J6F0701J(R)	Japan / North America (Type B – 15A)	JIS 8303 / 3 PINS and NEMA 5-15P (PSE and UL/CUL appr)	IEC 320/C13	1830	6
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
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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Approvals

Logo	Description
	UKCA Certification