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Model:GTM91110P240xx

July 16, 2019

## GTM91110P240xx

### Information

Model Number GTM91110P240xx

Description GTM91110P240xx, Medical Power Supply, Open Frame/Internal, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, Molex 26-60-4050 5 Position Header Pin 1: Gnd, Pin 2: Removed, PIN 3: Neutral, Pin 4: removed, Pin 5: Line, Output Rating: 240 Watts, Power rating with convection cooling (W) , 12-55V in 0.1V increments, Approvals: SIQ; SIQ; CE; cETLus 60601; cETLus; ETL; Class I; Book 60601; EAC; RoHS; China RoHS; FCC; Ukraine; VCCI; WEEE;

Model Picture



Agency Documents <http://www.globtek.info/certs/GTM91110P/>

CE Declaration [https://www.globtek.com/pdf/ec\\_declaration/a0Oa000000Bz790EAB](https://www.globtek.com/pdf/ec_declaration/a0Oa000000Bz790EAB)

RoHS/RoHS2 Declaration [https://www.globtek.com/pdf/rohs\\_cert/a0Oa000000Bz790EAB](https://www.globtek.com/pdf/rohs_cert/a0Oa000000Bz790EAB)

REACH Declaration [https://www.globtek.com/pdf/iso\\_certificates/REACH.pdf](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**

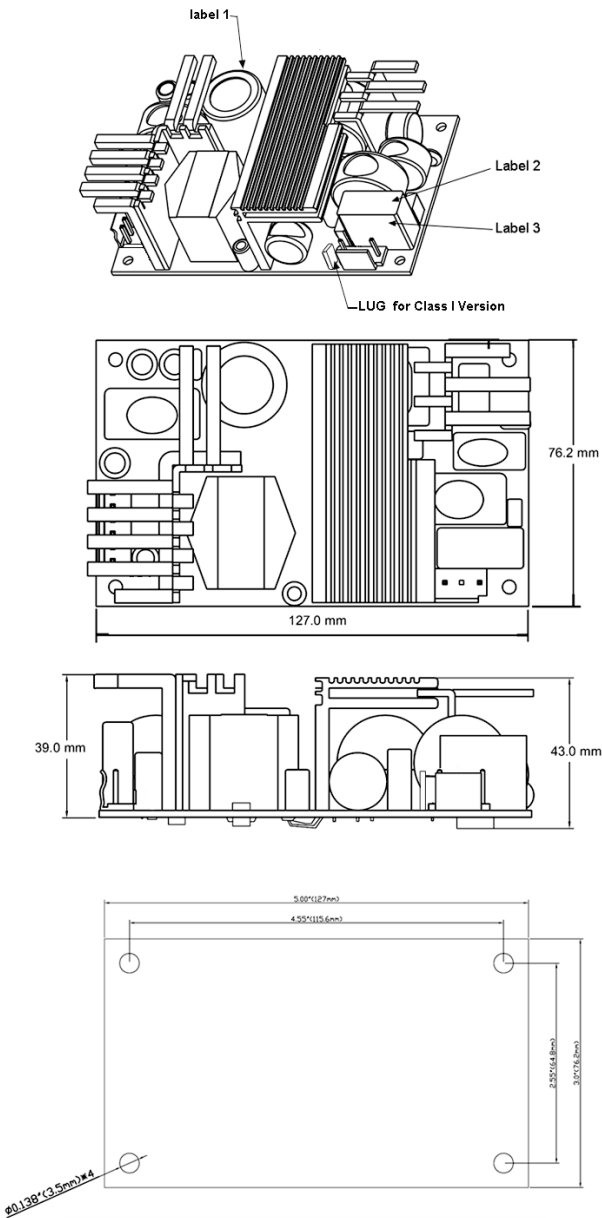
Type	Open Frame/Internal
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	4.0
Wattage (W)	240.0
Vout Range (V)	12-55
Efficiency Level	
Ingress Protection	
Size (mm)	127*76*43

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**ENCLOSURE**



**MOUNTING REQUIREMENTS:**  
 USE ONLY M3 TYPE SCREWS AND STANDOFF FOR MOUNTING.  
 HARDWARES BIGGER THAN M3 TYPE MAY CAUSE SPACING  
 VIOLATION BETWEEN LIVE PARTS AND THE CHASSIS.

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**RATING TABLE**

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTM91110P24012-FA-S	12 V	20	240.00	<a href="#">RFQ</a>
GTM91110P24015-FA-S	15 V	16	240.00	<a href="#">RFQ</a>
GTM91110P24018-FA-S	18 V	13.333	239.99	<a href="#">RFQ</a>
GTM91110P24024-FA-S	24 V	10	240.00	<a href="#">RFQ</a>
GTM91110P24036-6.0-FA-S	30 V	8	240.00	<a href="#">RFQ</a>
GTM91110P24036-FA-S	36 V	6.66	239.76	<a href="#">RFQ</a>
GTM91110P24048-FA-S	48 V	5	240.00	<a href="#">RFQ</a>
GTM91110P24055-FA-S	55 V	4.36	239.80	<a href="#">RFQ</a>

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**SPECIFICATIONS****A) ELECTRICAL SPECIFICATIONS:**

01. Input Voltage: Specified 90-264 Vac, Nameplate rated 100-240 Vac
02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50/60 Hz
03. Inrush current: Cold start @ 25°C, 40A @ 115Vac, 80A @ 230Vac
04. Efficiency: 85% to 90% typical at full load, 120-240Vac input
05. Power factor: 0.98 typical at full load, 230Vac input
06. Turn on delay: 5 Seconds maximum, (3 seconds max option)
07. Load regulation:  $\pm 1\%$  Measured at the connector side
08. Line regulation:  $\pm 0.2\%$  Measured at the connector side
09. Output Ripple protection (Peak to Peak):  $\pm 1\%$  maximum of nominal output voltage measured at 20 MHz bandwidth with 0.1 $\mu$ f ceramic capacitor in parallel with a low impedance 47  $\mu$ f electrolytic capacitor located 200mm from the end of the output connector
10. Turn on/off overshoot: 5% Maximum, 1mS recovery time
11. Hold up time: 8 mS @ 300W load, 10mS@200W load, 16mS@150W load at 115Vac input
12. Transient response: 2% Maximum deviation, returns to initial condition in 3 ms max for 25% load step, from 10% to 100% of rated load
13. Remote sense (optional): compensates for up to 0.5V voltage drop in output wiring.  
Power supply will operate correctly, with or without remote sense pins hooked up.
14. Auxillary Output: For forced air fan 12V @ 250mA, if convection cooled 12V @ 150mA. Other output voltages and current ratings from 5V to 24V available, contact factory for availability.
15. Indicator: Green LED for output presence

**B) PROTECTION**

01. Input Protection: Input line fusing and 300Vac MOV
02. Short circuit: Protected. Unit will autorecover upon removal of short
03. Overload protection: Autorecover upon removal of overload
  - 150W, 175% - 210% of nominal power rating
  - 200W, 130% - 160% of nominal power rating
  - 240W, 110% - 130% of nominal power rating
  - 300W, 110% - 130% of nominal power rating
04. Over voltage: Protected at 110- 140% of nominal output voltage, latched type. AC cycling required to restore output. Autorecovery type OVP is an option, contact factory for availability.
05. Fan output protection: 3 Pin Linear Regulator, short circuit proof

**C) SAFETY**

01. Dielectric Withstand Voltage: 4000Vac or 5656Vdc from input to output,  
On Class I models, 2500Vac or 3535Vdc from input to earth
02. Earth Leakage Current:
  - Class I Input Models: Does not exceed 500uA
  - Class II Input Models: Does not apply
03. Touch Current: Does not exceed 100uA, output terminations to earth
04. Output terminations rated as SELV, and Means of Operator Protection

**D) OTHER:**

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature Range:
  - 10°C to 50°C @ 100% output power rating
  - 10°C to 70°C @ 50% output power derating
03. Cooling:

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Open Frame 150W Series: Convection

Open Frame 240W and 300W Series: 20 CFM Forced Air Cooling

Perforated Plastic Housing 200W Series: 20 CFM Forced Air Cooling,  
with convection cooling 50% derated (100W) output capability.

04. Relative Humidity: operating 0% to 90% Non-condensing

05. Storage Temperature: -30°C to 85°C

06. Altitude: up to 2000 meter

07. Random vibration/transient drop: MIL-STD 810E

**E) MECHANICAL FORMAT:**

150W, 240W and 300W Open Frame version

Size: 127\*76.2\*43 mm

Weight: 470 grams

200W Perforated Plastic Enclosure version

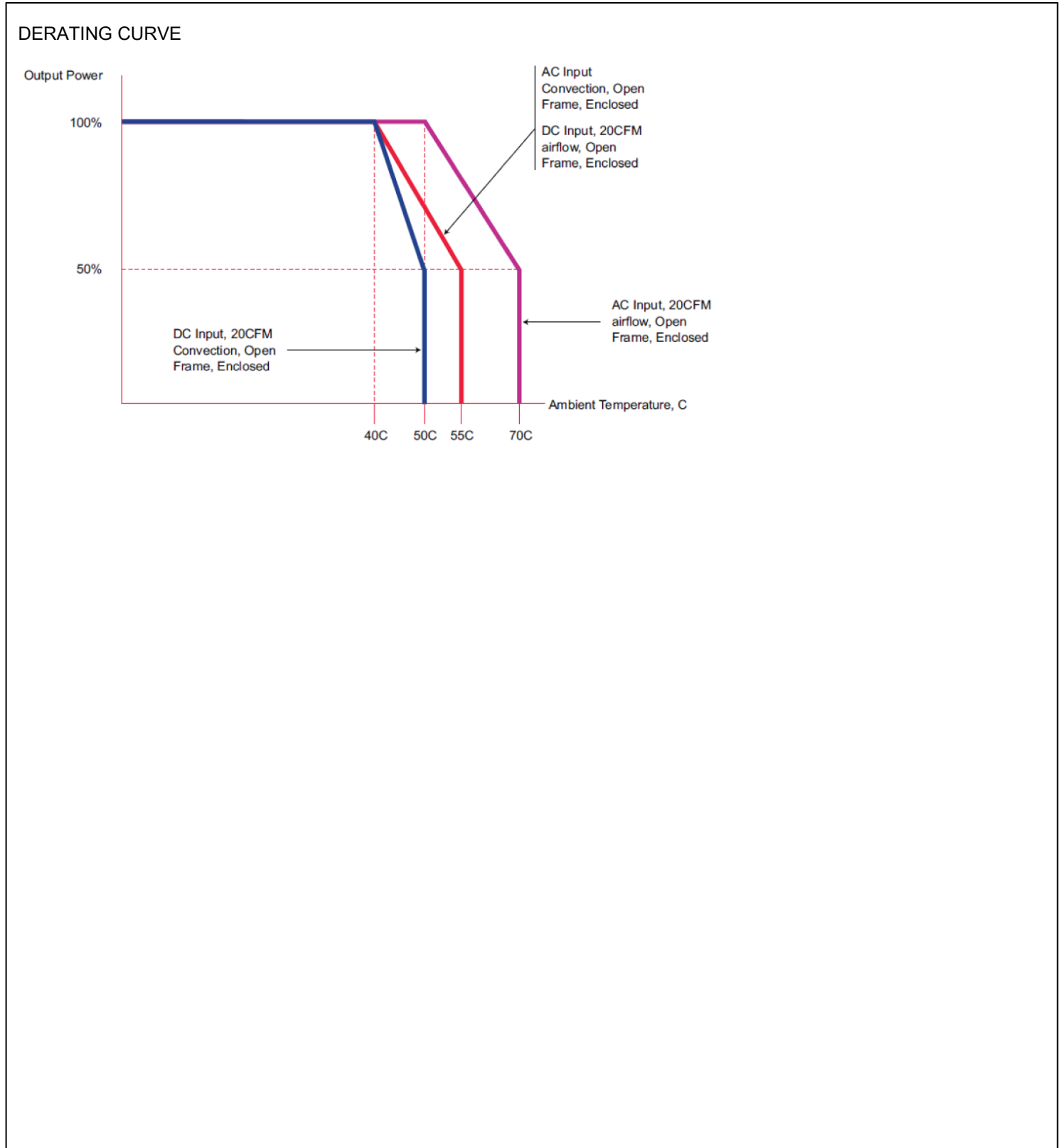
Size: 140\*87.6\*51.9 mm

Weight: 620 grams

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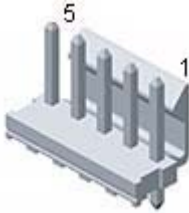
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**Input Configuration**

Description Molex 26-60-4050 5 Position Header Pin 1: Gnd, Pin 2: Removed, PIN 3: Neutral, Pin 4: removed, Pin 5: Line



Optional Input Wiring Kits are available:

PN/Ordering No	Length	End A	End B
<a href="#">C810070M6MLX5(R)</a>	60	IEC 60320 C8	MOLEX 09-50-3051
<a href="#">C1410070M6MLX5(R)</a>	60	IEC 60320 C-13	MOLEX 09-50-3051
<a href="#">MLX5410070M7MLX5(R)</a>	73	MOLEX 09-50-3051	MOLEX 09-50-3051

Custom lengths, construction, cable types, ferrites, filters, and termination available upon request.
















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## Approvals

Logo	Description
	60601-1 3rd Operating Instructions
	CE Certification
	CHINA SJ/T 11364-2014, China RoHS Chart: <a href="http://en.globtek.com/globtek-rohs.php">http://en.globtek.com/globtek-rohs.php</a>
	Class I Earth Ground
Conforms to AAMI STD.ES60601-1,IEC 60601-1-11 Certified to CAN/CSA STD.C22.2 NO.60601-1	Conforms to AAMI STD. ES60601-1,IEC 60601-1-11 Certified to CAN/CSA STD.C22.2 NO.60601-1
Conforms to UL STD. 60950-1 Certified to CSA STD C22.2 NO.60950-1	Conforms to UL STD. 60950-1 Certified to CSA STD C22.2 NO.60950-1
	Certification # TC RU AR46.B.75423 Custom Union of Russia, Belarus and Kazakhstan
RECOGNIZED COMPONENT	
	ETL Power Supply for GTM91110P240xx
Intertek	
	FCC PART 15 CLASS B
	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) <a href="http://www.ce-mark.com/Rohs%20final.pdf">http://www.ce-mark.com/Rohs%20final.pdf</a>
	SIQ Mark License EN60601-1
IEC/EN60601-1	
	SIQ Mark License EN60950-1
IEC/EN60950-1	
	Ukraine UKRSepro (Document: <a href="http://www.globtek.com/html/iso_certificates/GT_Ukraine.pdf">www.globtek.com/html/iso_certificates/GT_Ukraine.pdf</a> )
10276	
	Japan: Voluntary Control Council for Interference (VCCI)
	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