

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

Model:GTM91110P150xx

May 3, 2024

GTM91110P150xx

Information

Model Number	GTM91110P150xx
Description	GTM91110P150xx, Medical Power Supply, Open Frame/Internal, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, , Output Rating: 150 Watts, Power rating with convection cooling (W) , 12-55V in 0.1V increments, Approvals:

Model Picture



Agency Documents	http://www.globtek.info/certs/GTM91110P/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0O30000007P7YwEAK
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O30000007P7YwEAK
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	Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	
Wattage (W)	150.0
Vout Range (V)	12-55
Efficiency Level	
Ingress Protection	
Size (mm)	127*76*43

PROPRIETARY INFORMATION

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ENCLOSURE

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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
a17a000000LICug	V			RFQ
GTM91110P15015-FA-S	15 V	10	150.00	RFQ
GTM91110P15015-F-S	15 V	10	150.00	RFQ
GTM91110P24015-F-S	15 V	10	150.00	RFQ

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May 3, 2024

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 μ f ceramic capacitor in parallel with a low impedance 47 μ 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:

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- 10°C to 50°C @ 100% output power rating
- 10°C to 70°C @ 50% output power derating

03. Cooling:

- 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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DERATING CURVE

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INPUT CONFIGURATION

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Approvals

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