GNX-450 LOW PROFILE - 450 WATTS ONE TO FOUR OUTPUTS - POWER FACTOR CORRECTED 90-264 VAC 40 AMP CAPABILITY ON V2 - 50 AMPS ON V1



FEATURES:

Low Profile 2.5" x 5" x 9.4" in Size One to Four outputs Meets EN55022 Level A / FCC Class A No Additional Cooling Required up to 50 °C Power Factor Corrected Input (90-264VAC) Remote Sense On V1, V2 Outputs Greater than 150,000 Hrs MTBF Zero Wire Current Share on V1 & V2 Outputs



	OUTPUT VOLTAGE (VDC)	OUTPUT AMPERS (MAX)	OUTPUT Power (Watts)
V1	1.8 to 48	50	450
V2	1.8 to 24	40	200
V3	5 to 24	12/20pk	150
V4	5 to 24	4	75



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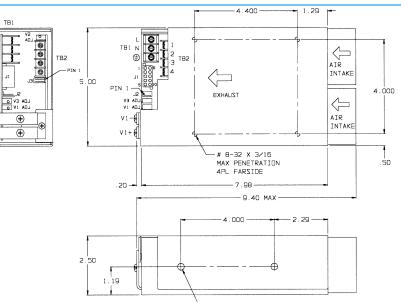
GNX-450 SERIES 450 WATT **COMPACT SIZE**

TB1

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				CONTINUOUS RA	NGE		
FUNCTION		5VAC	230 VAC			CONNECTOR	
TB1-1	LI		LINE 1			BARRIER STRIP	
TB1-2		JTRAL	LINE 2			#6-32 SCREWS	
TB1-3	SAF	ETY GROUND	3 SAFETY GROUND			3/8" CENTERS	
		OC	OUT	ZTUP			
FUNCTION	DES	DESCRIPTION		LOCATION		ONNECTOR	
V1	+5V.	/50A		MAIN DUTPUT	BL	BUS BARS #10-32 SCREWS	
	+5V	TV RTN		1			
V2	+3.1	3.3V/40A		TB2-1,2	8/	BARRIER STRIP #6-32	
	+3.	. 3V RTN		TB2-3,4	50	SCREWS ON 3/8" CENTERS	
ΕV	+12	+12V/12A-20A PK		J1-4, 5, 10	A	AMP #770743-1 MATES	
	+12	+12V RTN		J1-3, 8, 9	W:	WITH CONN #770580-1 &	
V4	+12	+12V/4A FLOATING		J1-2, 7	32	SDCKETS #171639-1	
-1		V/4A FLOATING		J1-1, 6	$\langle \cdot \rangle$	(AWG #20 TO #16)	
		TATZ	US A	NO CONTROL			
FUNCTION LOCATION		NDT	NOTES		CONNECTOR		
REMOTE SENSE		J2-1	DUTPUT #1 SENSE			MOLEX #22-04-1041	
		J2-2	0U1	PUT #1 SENSE R	MATES WITH		
FAIL		J2-3	REFERENCE TO MOL			MOLEX #22-01-1044	
INHIBIT		J2-4	COMMON				
REMOTE SENSE		J3-1	DUTPUT #2 SENSE MOLEX #22-04-1021				
		J3-2	רעם	TPUT #2 SENSE R	ΤN	MATES WITH	
						MOLEX #22-01-1024	



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TOTAL OUTPUT POWER NOT TO EXCEED 450 WATTS

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8-32 X 3/16 MAX PENETRATION 2PL, NEAR AND FAR SIDE

* IN PDF FORMAT, PRINT OR ZOOM TO SEE DRAWING

Nominal Input Voltage Frequency	115-240 VAC, 6A max. 47-63 Hz , 400Hz. available.	Overvoltage Protection	Shutdown at 130% of nominal Vout V1, V2, V3. V4 failsafe design. Recycle input power to reset.		
Operational Input Voltage Range	90-264 VAC Power Factor 0.99 Typical at Full Load. Meets EN 61000-3-2.	Overtemperature Protection	Unit shuts down if overheated. Recycle AC to reset.		
Inrush Current	Less than 4 msec. 30 amperes @ 115 VAC or 60 amperes @ 264 VAC.	Leakage Current	1.0mA max at 240Vac.		
Brownout Protection: Fusing	Holds Regulation to 85 Vac. 10 Ampere, 250 VAC, Internal ceramic	Current Limiting	All outputs short circuit protected with foldback protection. Automatic recovery upon removal of the short.		
Hold up time	20msec minimum after loss of AC Input at full load	Paralleling	Two or more supplies can be operated in parallel and will share V1/V2 current to within 10% of each		
Efficiency	and any input 70% typical	Remote Sense	other. Compensates for up to 0.5V total distribution voltage		
Turn on time	1 sec max. from power up. All output voltages come up within 10msec of each other.		drop on the V1 & V2 outputs.		
Line and Load Regulation	±2% over AC input range and 0 to 100% load change.	INH	Open to Run, Contact closure to return , turns off all outputs.		
Minimum Load	10% minimum load required on V1 for V2 to regulate to full load. No minimum load required on V2-V4.	FAIL Signal	Normal logic '1' TTL signal which goes low whenever the V1, V2 outputs fail, an overtemperature condition, an over voltage shut down, or an AC input failure		
Ripple & Noise	Through 20MHz 1% max. or 100mv whichever is greater for all outputs, peak to peak, with coaxial probe and 0.1uF/10uF capacitors at the connector.	Cooling	(5msec warning before outputs go out of regulation Integral fans provide 50cfm of air flow.		
Transient Response	Output maximum excursion of \pm 5% for 50% load step. Recovery less than 500 µsec.	Operating Temperature	-40°C to 50°C operating temperature with full load.		
Overshoot/Undershoot	No turn-on or turn-off overshoot.	Stability	All outputs 0.1% for 8 hrs. after 30 minute warm-up.		
Output Isolation	Isolated from chassis ground, 50Vdc.	Humidity	Up to 95% non-condensing.		
Input/Output Isolation	2200 VDC from input to both chassis/outputs. SELV construction.	Storage Temperature	-40°C to 85°C.		
	SELV CONSTRUCTION.	Size	5" x 2.5" x 9.4" Weight: 5 lbs.		
Reverse Voltage	Protected against reverse voltage to supply current rating.	EMC	Meets EN55022 Level A / FCC Class A conducted.		
	ourrent raung.	Safety	UL 1950, CSA C22.2 No. 950, EN60950.		

GNX-450X1-P SERIES BREAKDOWN: where X1= S for Single output, D for Dual output, T for Triple output or Q for Quad output