## GNX-1000-DC LOW PROFILE -1000 WATTS

ONE TO FOUR OUTPUTS. 36 - 75 VDC INPUT 40 AMP CAPABILITY ON V2 - 200 AMPS ON V1



## **FEATURES:**

Low Profile 2.5" x 8" x 12" in Size One to Four outputs All Outputs Independent Meets EN55022 Level A / FCC Class A No Additional Cooling Required up to 50 °C Wide Range Input (36-75VDC) Remote Sense On V1, V2 Outputs Greater than 150,000 Hrs MTBF **Zero Wire Current Share on V1 & V2 Outputs** 



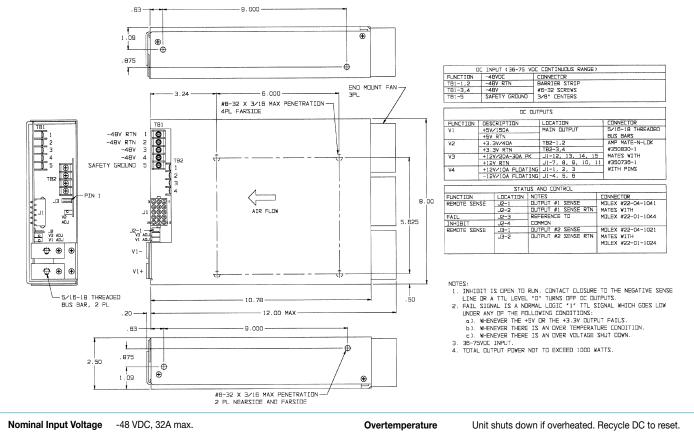


	VOLTAGE (VDC)	AMPERS (MAX)	POWER (WATTS)
<b>V</b> 1	1.8 to 48	150 / 200*	1000
<b>V2</b>	1.8 to 24	40	200
<b>V</b> 3	5 to 24	20/30pk	240
<b>V</b> 4	3.3 to 24	10	120

<sup>\* 200</sup>A on single output version.



## GNX-1000-DC SERIES 1000 WATT COMPACT SIZE



Protection **Operational Input** 36-75 VDC **Inrush Current** Less than 5 msec. 60 amperes @ -48 VDC. **Current Limiting** All outputs short circuit protected with foldback protection. Automatic recovery upon removal of the **Fusing** 50 Ampere, 300 VDC, Class G short. 1msec minimum after loss of DC Input at full load Hold up time **Paralleling** Two or more supplies can be operated in parallel and and nominal input. will share V1/V2 current to within 10% of each Efficiency 70% typical Turn on time 1 sec max. from power up. All output voltages come **Remote Sense** Compensates for up to 0.5V total distribution voltage up within 10msec of each other. drop on the V1 & V2 outputs. Line and Load ±2% over DC input range and INH Open to Run, Contact closure to return, turns off Regulation 0 to 100% load change. all outputs. Minimum Load 5% minimum load required on V1 for V2 to regulate to full load FAIL Signal Normal logic '1' TTL signal which goes low whenever No minimum load required on V2-V4. the V1, V2 outputs fail, an overtemperature condition, Ripple & Noise Through 20MHz 1% max. or 100mv whichever an over voltage shut down. is greater for all outputs, peak to peak, with coaxial probe and 0.1uF/10uF capacitors at the connector. Cooling Integral fans provide 50cfm of air flow. **Transient Response** Output maximum excursion of ± 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. Humidity Up to 95% non-condensing. **Output Isolation** Isolated from chassis ground, 50Vdc. Input/Output Isolation 1500 VDC from input to both chassis/outputs. Storage Temperature -40°C to 85°C. SELV construction. Weight: 12 lbs. 8" x 2.5" x 12" Size **Reverse Voltage** Protected against reverse voltage to supply **EMC** Meets EN55022 Level A / FCC Class A conducted. current rating. Safety UL 1950, CSA C22.2 No. 950, EN60950. Overvoltage Shutdown at 130% of nominal Vout V1, V2, V3. Protection V4 failsafe design. Recycle input power to reset.