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SWITCHING POWER, INC.

Regulated D.C. Power



HIGH RELIABILITY GREATER THAN 90,000 HRS. MTBF



Power Fail

Configure Your Output Requirements: *Contact factory for additional output variations

	Contact factory for additional output variations			
FEATURES: Proven Modular Design		OUTPUT Voltage (VDC)	OUTPUT AMPERS (MAX)	OUTPUT POWER (WATTS)
Sizes 5.0" x 8.0" x 12.0"	V1	2 to 48	150	850
75% Efficiency Typical	V2	2 to 24	40	200
Meets EN55022 Level A / FCC Class A	V3	2 to 24	15	150
Isolated Outputs	V4	2 to 24	15	150
Current Share	V5	2 to 24	6	72
Power Good Signal	TOTAL OUTPUT POWER NOT TO EXCEED 1000 WATTS			

EAST COAST: **3601 VETERANS HIGHWAY RONKONKOMA, NEW YORK 11779** TEL (516) 981-7231 FAX (516) 981-7266 TEL (408) 732-1230 FAX (408) 732-5712

WEST COAST: 599 N. MATHILDA AVENUE SUNNYVALE, CALIFORNIA 94086



GS SERIES 1000 WATT

* IN .PDF FORMAT, PRINT OR ZOOM TO SEE DRAWING 8.00 Ø \sim 3.500 Ø TOP ഷ്ട്ര Ø Ø Ξ Ø AC LOW Ø AC LOW \otimes CASE Ø CASE 2.03 STRAPPED STRAPPED FOR II5VAC 230VAC 12.35 SEE HOOK UP DE TAIL ON BACK OF SHEET 1.00 AIR FLOW œf 5.00 ഷ് 3.500 6 76 SIDE TYP

Ł ∠8-32 LOCK INSERTS .75TYP - 75 TYP SEE DE TAIL D SEE DETAIL A 16 PLACES (MAX PENETRATION .19) 6.750 TYP SEE DETAIL C SEE DETAIL B PINI - I SHARE PIN2 - I MONITOR PIN3 - N/C PIN4 - MARGIN PIN5 - COMM MARGIN PIN6 - + MARGIN SENSE 4 2.25 6 PIN MOLEX PIN 5 - COM 03-06-1062 PIN 6 - + M. MATING CONN. 03-06-2061 DETAIL "A"(J2) DETAIL "8" (JI) BOTTOM 3.500 I 2 PINI - I SHARE 2 PIN MOLEX PIN2 - I MONITOR 39-30-0020 MATING CONN. 39-01-2025 ¥ DE TAIL "C" (J22) DETAIL D" (J4) MAX PENETRATION .19

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Nominal Input Voltage 115/230 VAC (User Selectable) Overshoot No turn-on or turn-off overshoot. Frequency 47-63 Hz 400Hz. available V1, V2 voltage clamp factory set at 20% to 30% above Overvoltage **Operational Input** 90 to 132 VAC or 180 to 264 VAC. Protection output voltage. V3, V4, V5 failsafe design. Voltage Range Overtemperature Unit shuts down if overheated. Automatic recovery. Inrush Current Less than 4 msec 80 amperes @ Protection 115 VAC, or 160 amperes @ 230 VAC. Cooling Internal fan provides cooling. 20 Ampere, 250 VAC, Internal fibre Fusing body fuse. Input/Output Isolation 4242VDC, SELV construction Efficiency 75% typical. **Remote Sense** Up to 0.5 volts total in load. V1, V2 Output Turn on time Less than 150 msec. Remote On/Off Standard 0.5% for 10% to 100% load changes, all outputs. Load Regulation Power Good and 10% min. load required on V1 for max load req. Power Fail on outputs V2 to V5. Operating -20°C to 50°C full output. \pm 0.5% over operating line range, all outputs. Line Regulation Temperature 50°C to 75°C, derate 2%/°C. 1% of output voltage, peak to peak. **Ripple & Noise** Stability All outputs 0.5% for 8 hrs. after 1 hour warm-up. **Transient Response** Output maximum excursion of \pm 5% for 25% load Humidity Up to 95% non-condensing. V1 step. Recovery less than 500 µsec. Meets FCC Class A and EN55022 Level A EMI **Transient Response** Output maximum excursion of \pm 2% for 25% load 5.0" by 8.0" x 12.0". Size step. Recovery less than 500 µsec. V2-V5 Weight 14 lbs. Short Circuit and All outputs are protected from short circuit and **Overload Protection** overload. Automatic recovery.