



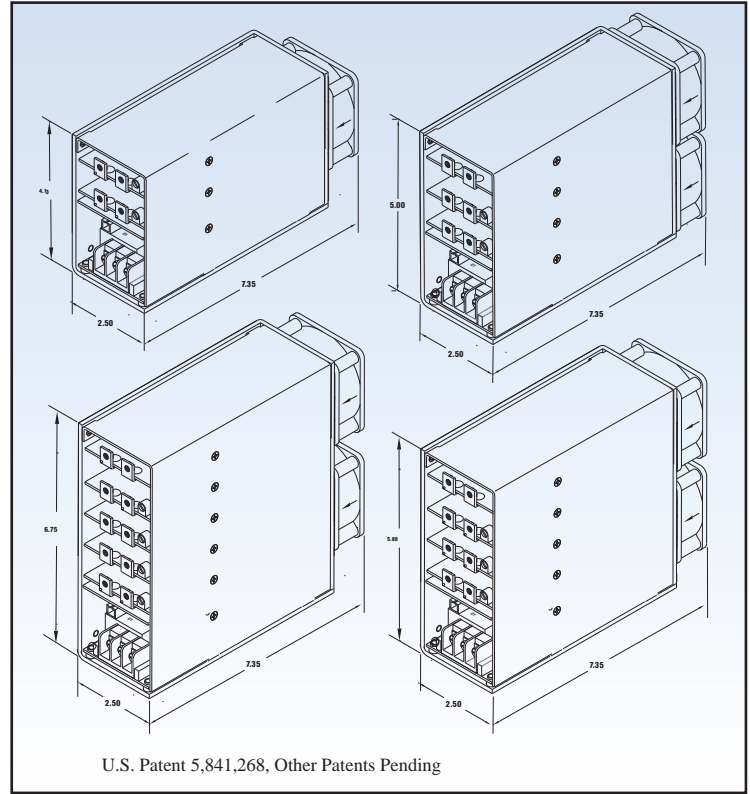
POWER ARCHITECTS

FEATURES

- Power Density over 11 Watt / In³
- Modular Construction Offering up to 9 Outputs
- Output Voltage 1.5V to 300V
- Pparalleled Modules for Increased Output Power
- All Outputs Isolated and Fully Regulated
- Output Noise and Ripple as low as 0.25% or 10mV typ. (at any load, 20MHz BW)
- Low Output Common-Mode Noise
- Active Load Sharing for N+1 Redundancy
- .99 Power Factor Correction to EN61000-3-2
- Universal Input 90 to 264 VAC
- Operating Temperature -40 to 75C

OPTIONS

- VXI/VME Signal Set
- N+1 Redundancy
- Output Good and AC Power Fail Signals
- Global and Individual Output Inhibit



OUTPUT MODULE RATINGS (Up to 5 Modules per Power Supply)

| | 2V | 3.3V | 5V | 8V | 12V | 15V | 18V | 24V | 35V | 48V | |
|---|-----|------|-----|-------|-------|-------|-------|-------------|--------------|--------------|--|
| SINGLE OUTPUT MODULE | 40A | 40A | 40A | 25A | 18.3A | 14.7A | 12.2A | 9.2A | 6.3A | 4.6A | |
| | | | | | | | | 75V 2.7A | 100V 2.0A | 150V 1.0A | |
| *Custom output voltages available ** 75V, 100V and 150V modules stackable up to 300V | | | | | | | | | | | |
| DUAL OUTPUT MODULE (per output) | 20A | 20A | 20A | 12.5A | 10.4A | 8.3A | 7.0A | 5.2A | 3.6A | 2.6A | |
| | | | | | | | | | | | |
| *Custom output voltages available **Combination of any two outputs per module | | | | | | | | | | | |

2-UP, 3-UP, 4-UP and 5-UP Series

700/1000 Watt Modular Power Supplies

ELECTRICAL SPECIFICATIONS

| PARAMETER | LIMITS | CONDITIONS |
|------------------------------------|--|--|
| Input Operating Voltage | 90-264 VAC (47-63 Hz) | |
| Total Output Power | 1200 W, 180-264 VAC 700 W, 90-180 VAC | -40 to 50 deg. C -40 to 50 deg. C derate linearly to 500W at 75 deg. C |
| Power Factor Correction | >0.99 Meets EN 61000-3-2 Class D | |
| Conducted EMI | EN 55022 Class A Compliant | |
| Safety | UL, cUL, TÜV | |
| Efficiency | 75% min. | 115 VAC |
| Inrush Current | 45A max. | 240 VAC |
| Undervoltage Lockout | 80 VAC typ. | |
| Hold-Up Time | > 20 mSec. | 90 VAC |
| Power Fail Warning | > 8 mSec. | 90 VAC |
| VME/VXI Signals | Per VME/VXI Specification | Optional |
| DC Power Good Signal | -10% at Any Output | Optional |
| Output Over Current Protection | 105-125% of Full Load (Automatic Recovery) | |
| Output Over Voltage Protection | 115-125% of Nominal Output Voltage (Latching) | |
| Output Over Temperature Protection | 55 deg. C Ambient (Latching) | 700 W (output) |
| Output Ripple and Noise | 0.5% or 20 mV pk-pk (whichever is greater) (0.25% or 10mV pk-pk typical) | 20 MHz BW, any load |
| Transient Response | 3% or 150 mV (whichever is greater) 250 uSec Recovery to 1% or 50 mV | 25% Step Load from 75% to 100% or from 100% to 75% |
| Regulation | Line 0% Load 0.2% max. Cross 0% Thermal 0.02%/deg. C max. | 90 to 264 VAC No Load to Full Load Any Condition 0 to 75 deg. C |
| Remote Sense | 0.5V max. Cable Drop Compensation | |
| Current Share | Available on Single Output Modules (1-terminal or 2-terminal differential bus) | |
| Global Output Inhibit | Isolated TTL input | |

MECHANICAL SPECIFICATIONS

| | | | |
|----------------|---|-------------|---------------------------------------|
| Cooling: | Internal Built-in Fans, 40 CFM Total | Dimensions: | 2-module 480W: 2.50" x 4.13" x 7.30" |
| Environmental: | Storage Temperature: -20 to 85 deg. C | | 3-module 700W: 2.50" x 5.00" x 7.30" |
| | Operating Temperature: -40 to 75 deg. C | | 4-module 1000W: 2.50" x 5.88" x 7.30" |
| | Humidity: 5 to 95% non-condensing | | 5-module 1200W: 2.50" x 6.75" x 7.30" |