

Chassis Specifications: SPM3 / SMM3*

INPUT

| PARAMETER | CONDITIONS | MIN. | NOM. | MAX. | UNITS |
|--------------------------|---|------|------|----------|-------|
| Input Voltage | AC Input | | | | |
| | Low range | 90 | 115 | 132 | VAC |
| | High range | 175 | 230 | 264 | VAC |
| | DC Input | 250 | 300 | 350 | VDC |
| Input Current | 1000 Watt Load | | | | |
| | Vin = 90 VAC | | | 25 | ARMS |
| | Vin = 175 VAC | | | 13 | ARMS |
| | Vin = 250 VDC | | | 3 | ADC |
| Inrush Surge Current | SPM3 | | | | |
| | Vin = 132 VAC Vin = 264 VAC | | | 19 38 | APK |
| Input Frequency | With AC Input | 47 | | 440 | Hz |
| Hold-up Time | After last AC line peak with 115/230 VAC Input | 23 | | | ms |
| Input Power Fail Warning | Logic signal before regulation dropout due to loss of input power | 5 | | | ms |
| Overtemperature Shutdown | System shutdown due to excessive internal temperature | 75 | | 85 | °C |
| Thermal Warning | Advanced warning before overtemperature shutdown | 10 | | | ms |

SAFETY AND EMI

| | | | | | |
|------------------------------|---|------|--|-----------|-----|
| Agency Approvals | UL1950 CSA22.2 #950 EN60950 (TUV) | | | | |
| Dielectric Withstand Voltage | Input to Output | 4300 | | | VDC |
| | Input to Chassis | 2300 | | | |
| | Output to Chassis | 500 | | | |
| Insulation Resistance | Input to Output | 10 | | | MΩ |
| | Input to Chassis | 10 | | | |
| | Output to Chassis | 2 | | | |
| Leakage Current | SPM3 | | | 1.75/1.25 | mA |
| Safety Spacing | Primary to Secondary | 8 | | | mm |
| | Primary to Chassis | 4 | | | |
| Electromagnetic Interference | FCC CFR title 47 Part 15, Sub-Part B Conducted EN55022 / CISPR 22, Conducted | | | Level A | |

GENERAL

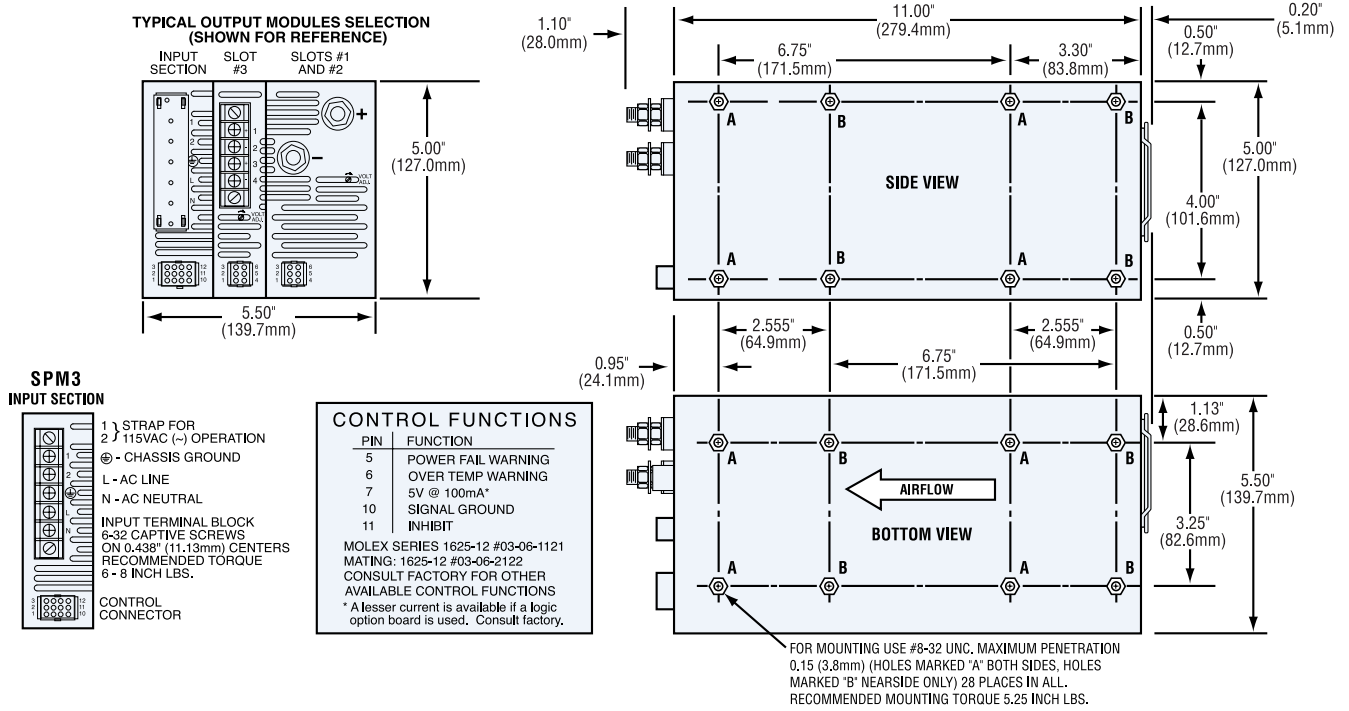
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|--------------------|--|-----|-----|--------|-------|
| Output Power (Max) | SPM3 | | | 1000 | Watts |
| Efficiency | Full load, typical modules. | 75 | | | % |
| Power Factor | 115/230 VAC input | | 0.7 | | W/VA |
| Vibration | Random vibration from 10Hz to 2 kHz, (3 axis) | | | 6.0 | GRMS |
| Shock | Operating: peak acceleration | | | 20 | GPK |
| Operating Temp. | At 100% Load | 0 | | 50 | °C |
| | Derate to 50% at 70°C | | | 70 | |
| Storage Temp. | | -40 | | 85 | °C |
| Altitude | Operating (Consult factory for operation above 10,000 feet) | | | 10,000 | Feet |
| | Non-operating | | | 50,000 | Feet |
| Relative Humidity | Non-condensing | | | 95 | % |
| Acoustical Noise | "A" weighted, anechoic at 1 meter | | | 50 | dB |
| Cooling | Internal Fan Cooled (At Sea Level) | | 50 | | CFM |

*Metric mounting chassis meet all specifications of non-metric models.

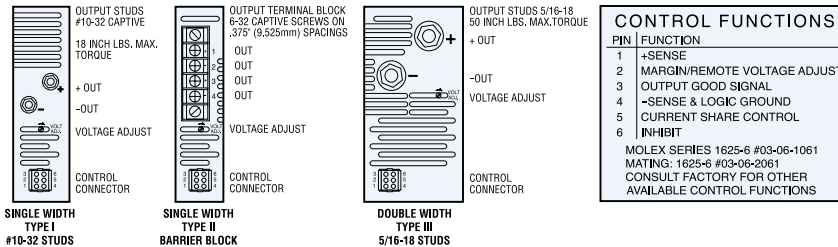
Mechanical Drawings: SPM3 / SMM3*

OVERALL SIZE: 11.00" x 5.50" x 5.00" (279.4mm x 139.7mm x 127.0mm)

WEIGHT: 10.0 lb (4.50 kg)



OUTPUT MODULES—CONFIGURATIONS AND INTERFACE SIGNALS



*Metric mounting chassis meet all specifications of non-metric models.