

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

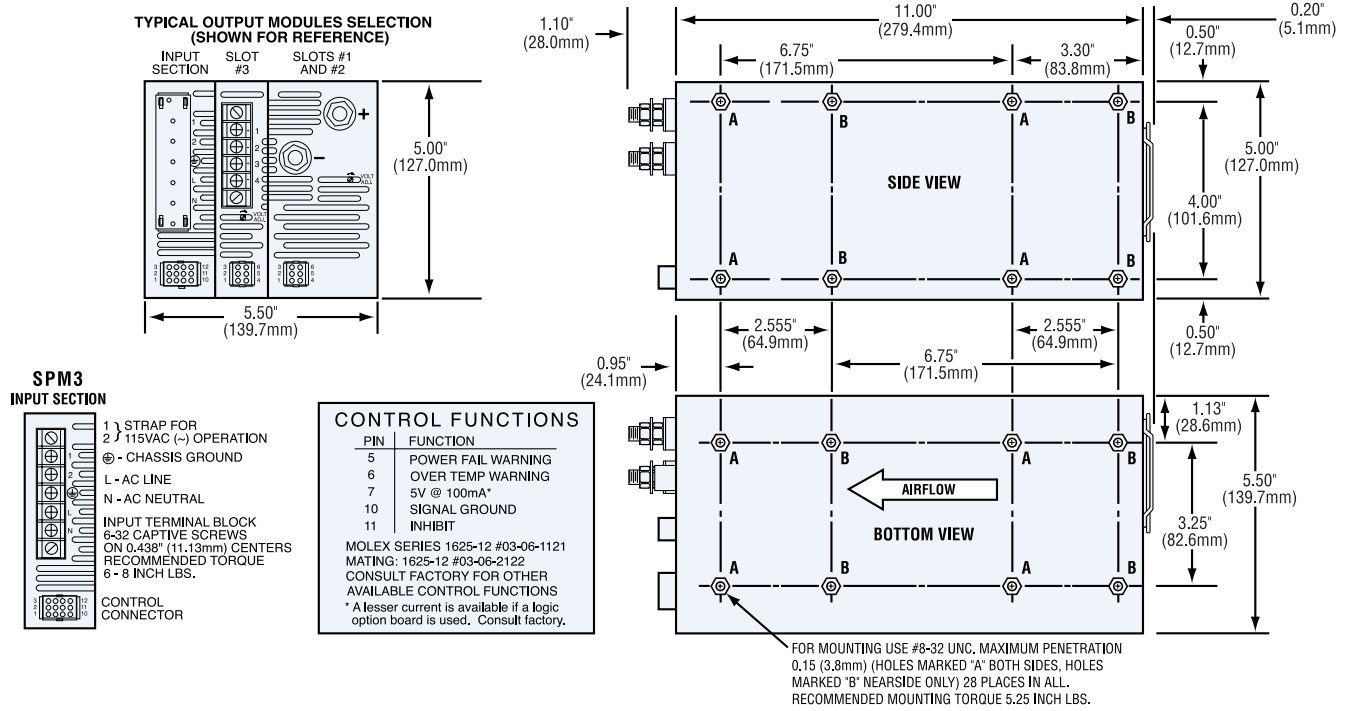
Output Power (Max)	SPM3			1000	Watts
Efficiency	Full load, typical modules.	75			%
Power Factor	115/230 VAC input		0.7		W/VA
Vibration	Random vibration from 10Hz to 2 kHz, (3 axis)			6.0	GRMS
Shock	Operating: peak acceleration			20	GPK
Operating Temp.	At 100% Load	0		50	°C
	Derate to 50% at 70°C			70	
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.

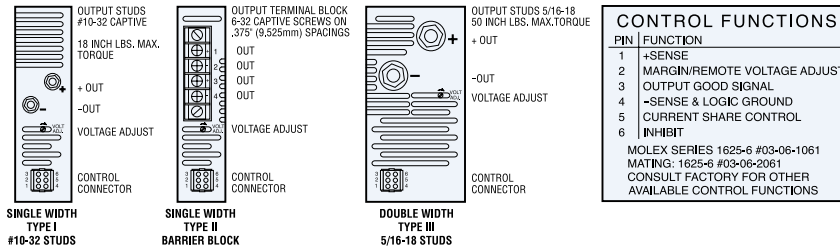
Mechanical Drawings: SPM3 / SMM3*

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.