

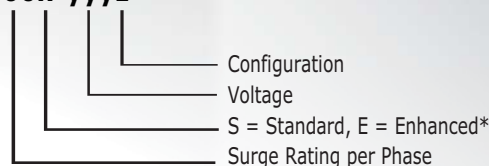
Data Sheet

AC Power Panel SPD MDS 600 Series

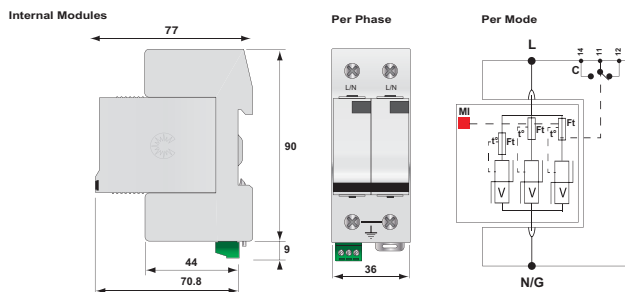
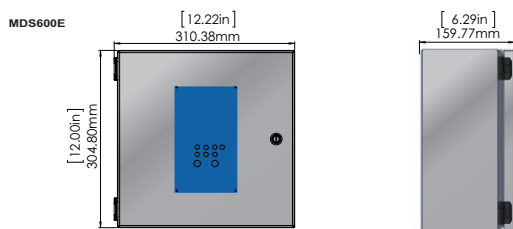
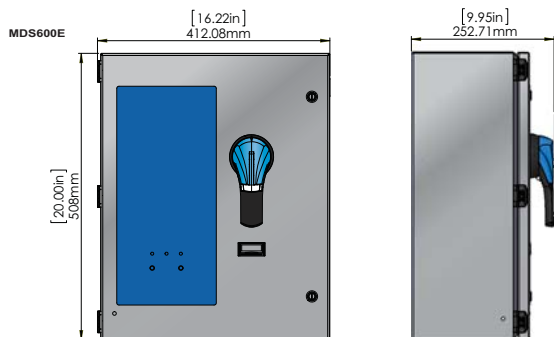


- **UL Type 1 Surge Protection Device (SPD)**
- **Real Time Diagnostics**
- **Optional Integrated Disconnect**
- **$I_{total} 8/20 \mu s$: 600 kA**
- **$I_{total} 10/350 \mu s$: 50 kA**
- **Pluggable module for each mode**
- **UL 1449 4th Edition**

MDS600x-yyyz



Dimensions and Diagram



Characteristics

CITEL Part Number		MDS600			
Suffix		-120T -120Y	-220Y -240Y -240D	-277Y -347Y	-480D
AC Network		120/240V 120/208V	220/380V 240/415V 240V	277/480V 347/600V	480V 600V
UL MCOV (L-G)	Uc	150-210V	300-420V	420-460V	550V
TOV Withstand	Ut	175Vac	335Vac	420Vac	840Vac
IEC/UL Nominal Discharge Current <i>15 impulses 8/20 μs</i>	In	20kA	20kA	20kA	20kA
Max. Surge Current (Total)	Imax	600kA	600kA	600kA	600kA
Max. Lightning Current (Total) <i>1 impulse 10/350 μs</i>	Iimp	44kA	44kA	44kA	44kA
UL Voltage Protection Rating	VPR	600-1000V	1000-1700V	1400-1900V	2000-2400V
Protection Level at In	Up	700-1300V	1200-2200V	1700-2400V	2400-3000V
UL Short-Circuit Current Rating	SCCR	200kA	200kA	200kA	200kA
Follow Current	If	none	none	none	none
Sine Wave Tracking		Yes			
		UL 60691			
Max. Recommended Fuse		200A, Class J (Basic only)			
Dimensions		See Dimensions and Diagram			
Connection		by screw terminals, AWG depends on version			
Remote Signal Indicator		250Vac Max, 2A			
Mounting		Wallmount by screws (not supplied)			
Operating Temp		-50°C to +85°C			
Operating Altitude		13,000 ft (4,000m)			
Relative Humidity		5 to 95% non-condensing, up to 100% external			
Enclosure Material		Metal Standard, Stainless Steel option			
Environmental Rating		NEMA 4X			
Weight		MDS200E 25lbs, MDS200S 17lbs			
Standards Compliance					
IEC 61643-1 - INTERNATIONAL		Class I & II			
EN 61643-11 - EUROPE		Class I & II			
NF EN 61643-11 - FRANCE		Class I & II			
UL1449 3rd Edition - USA		Type 1			
UL1449 3rd Edition - CANADA		Type 2			
CSA C22.2 No. 8-M1986		Class 9091 32, Class 9091 92			
RoHS		Directive 2002/95/EC			

* Standard:
60A Internal fusing, LED per phase, remote alarm

Enhanced:
60A Internal fusing with external disconnect switch,
standard diagnostics plus audible alarm and surge counter



CITEL