TRANSTECTOR®
an INFINITE brand

MODULAR SURGE PROTECTION DEVICE

PV PLUS SERIES

AC Surge Protection

PowerVantage (PV Plus) is a per mode modular surge suppression unit with all modes of protection listed to UL 1449 4th Edition and designed with robust surge capacity for long life. PV Plus is engineered for easy installation and serviceability to eliminate downtime and protect your critical equipment.

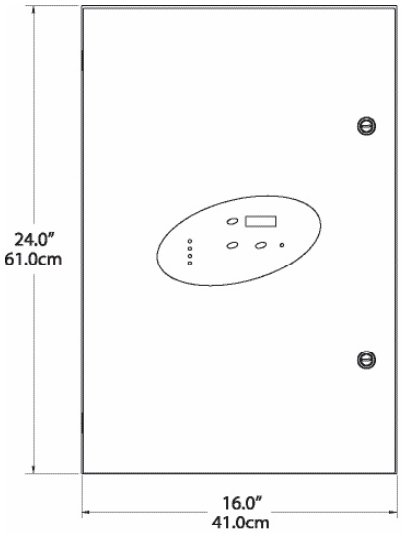


PV Plus Series

LEA INTERNATIONAL

FEATURES

- **Thermally Protected MOV**- allows maximum surge capacity, repetitive capability, and performance while maintaining safety requirements
- **All Mode Protection** - L-N, L-G, N-G & L-L
- **Linear Sharing** - reduces stress to extend product life
- **Internal Protection Indicator Lights of Modules** - redundant monitoring to identify damaged modules for easy servicing
- **Modular Per Mode** - serviceable modules per mode
- **Surge Counter** - counts transients the unit suppresses
- **Indication Lights** - shows loss of power and external protection
- **Dry Contacts** - Form C contacts for remote monitoring (NO & NC)
- **Alarm with Disable Switch** - audible indication

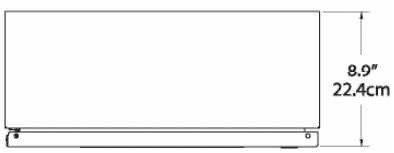


STANDARDS

- UL 1449 4th Edition, Listed
- UL 1283
- NEC Article 100/285
- IEEE

OPTIONS

- Internal disconnect switch for easy servicing
- Spare modules



1463-003 Rev D
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SPECIFICATIONS

PV Plus	PV 200	PV 400	PV 600
Performance			
Connection	Parallel	Parallel	Parallel
Operating Voltage Range	± 15%	± 15%	± 15%
Nominal Operating Voltage	120 - 480 Vac	120 - 480 Vac	120 - 480 Vac
Operating Frequency	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz
Noise Attenuation	EMI/RFI, Sine Wave Tracking	EMI/RFI, Sine Wave Tracking	EMI/RFI, Sine Wave Tracking
Surge Capacity per Mode	100 kA	200 kA	300 kA
Surge Capacity per Phase	200 kA	400 kA	600 kA
Nominal Discharge Current Rating (In)	20 kA	20 kA	20 kA
IEEE Location	C-High, B-Medium	C-High, B-Medium	C-High, B-Medium
UL Location	Type 1 or Type 2	Type 1 or Type 2	Type 1 or Type 2
Fault Rating (SCCR)	100 kAIC	100 kAIC	100 kAIC
Response Time	<1 ns	<1 ns	<1 ns
Protection Provided	L-N, L-G, N-G, L-L (Split Phase, Wye); L-G, L-L (Delta)	L-N, L-G, N-G, L-L (Split Phase, Wye); L-G, L-L (Delta)	L-N, L-G, N-G, L-L (Split Phase, Wye); L-G, L-L (Delta)
Certifications	UL 1449 4th Edition Listed	UL 1449 4th Edition Listed	UL 1449 4th Edition Listed
Mechanical			
Dimensions - H x W x D	24.0" x 16.0" x 8.9" 61.0 cm x 41.0 cm x 22.4 cm	24.0" x 16.0" x 8.9" 61.0 cm x 41.0 cm x 22.4 cm	24.0" x 16.0" x 8.9" 61.0 cm x 41.0 cm x 22.4 cm
Weight (Max) lb, kg	60 lbs / 27 kg	60 lbs / 27 kg	60 lbs / 27 kg
Lug Range	#14 - I/O	#14 - I/O	#14 - I/O
Lead Length	≤ 5' (recommended)	≤ 5' (recommended)	≤ 5' (recommended)
Wire Gauge	#6 without disconnect or #4 with disconnect (recommended)	#6 without disconnect or #4 with disconnect (recommended)	#6 without disconnect or #4 with disconnect (recommended)
Breaker Connection	60 A (recommended)	60 A (recommended)	60 A (recommended)
Environmental			
Humidity	5 to 95% non-condensing	5 to 95% non-condensing	5 to 95% non-condensing
Operating Temperature	-40° C to + 65° C	-40° C to + 65° C	-40° C to + 65° C
Operating Altitude (feet)	Up to 12,000	Up to 12,000	Up to 12,000
Enclosure Type	NEMA 3R	NEMA 3R	NEMA 3R

1463-003 Rev B
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