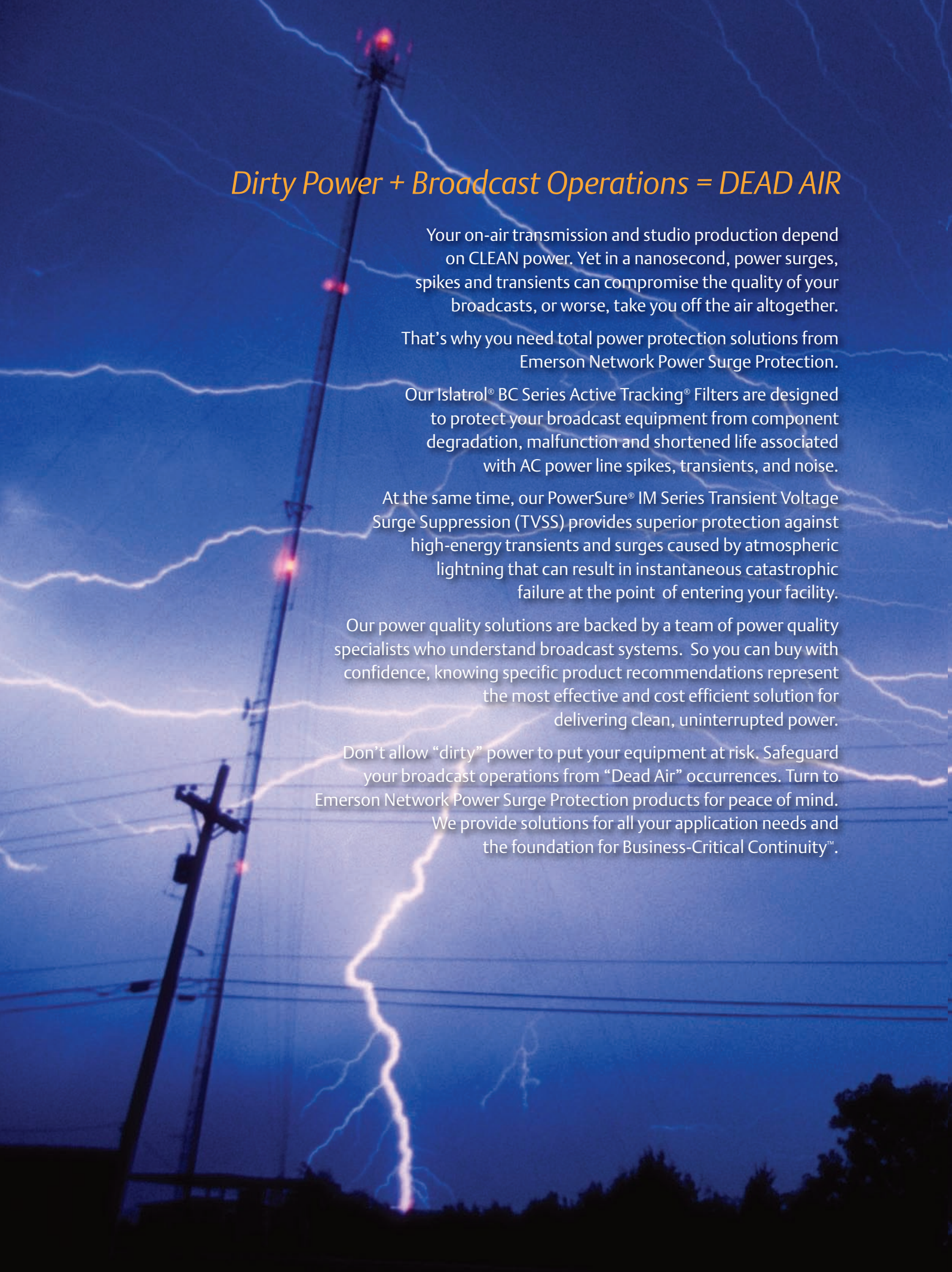
Surge Protection
For Business-Critical Continuity™

Broadcast/Studio Protection

Product Catalog and Reference Guide

EMERSON™
Network Power



Dirty Power + Broadcast Operations = DEAD AIR

Your on-air transmission and studio production depend on CLEAN power. Yet in a nanosecond, power surges, spikes and transients can compromise the quality of your broadcasts, or worse, take you off the air altogether.

That's why you need total power protection solutions from Emerson Network Power Surge Protection.

Our Islatrol® BC Series Active Tracking® Filters are designed to protect your broadcast equipment from component degradation, malfunction and shortened life associated with AC power line spikes, transients, and noise.

At the same time, our PowerSure® IM Series Transient Voltage Surge Suppression (TVSS) provides superior protection against high-energy transients and surges caused by atmospheric lightning that can result in instantaneous catastrophic failure at the point of entering your facility.

Our power quality solutions are backed by a team of power quality specialists who understand broadcast systems. So you can buy with confidence, knowing specific product recommendations represent the most effective and cost efficient solution for delivering clean, uninterrupted power.

Don't allow "dirty" power to put your equipment at risk. Safeguard your broadcast operations from "Dead Air" occurrences. Turn to Emerson Network Power Surge Protection products for peace of mind. We provide solutions for all your application needs and the foundation for Business-Critical Continuity™.

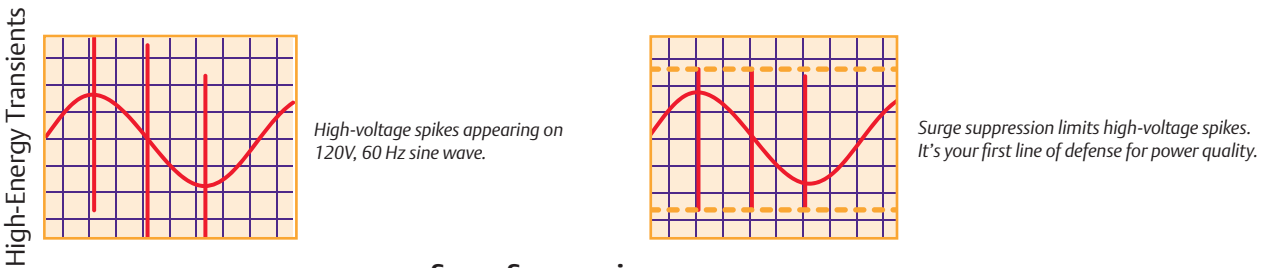
Table of Contents

TVSS

Using Transient Voltage Surge Suppression to Control High-Voltage Transients

Surge Suppressors provide a degree of protection against destructive surge events by limiting let-through voltage and diverting high currents away from electronic equipment.

Applications:
Installed primarily at service entrances and branch panels throughout a facility, these devices are connected in parallel with the down-stream equipment.



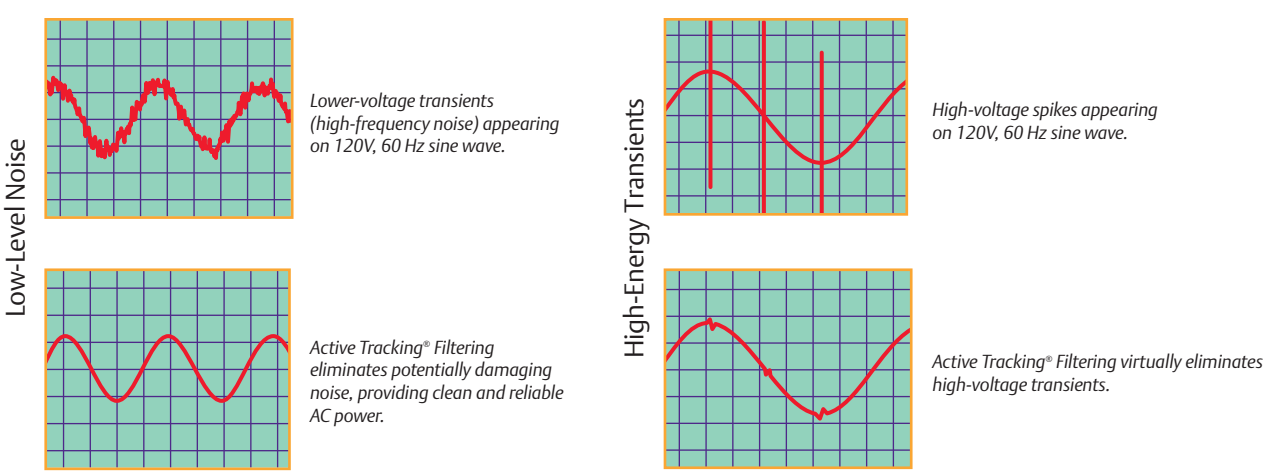
Surge Suppression

Active Tracking® Filters

Using Active Tracking® Filters to Control Low- and High-Voltage Transients

Active Tracking® Filters offer a more comprehensive level of protection by providing clean AC power for highly sensitive equipment. This is accomplished by eliminating disruptive low-level noise as well as protecting against destructive high-energy events.

Applications:
These devices are typically installed directly in front and in series with sensitive equipment such as transmitters, programmable controllers, and high-end servers.



Filtering

Broadcast/Studio Product Selection Guide

- Find your application in the left column
- Then look across for the appropriate product

	PRODUCTS						
	Series Filter with TVSS	TVSS		Rackmount	Plug-In	
APPLICATIONS	BC Series	PowerSure IH Series	PowerSure IM Series	Islatrol RM Series	Islatrol SP-6TVN	Edco CAT6-5 POE
High Power Transmitter	 Pages 4-6					
Medium/ Low Power Transmitter	 Pages 4-6	 Page 8	 Page 9			
Studio Service Entrance		 Page 8	 Page 9			
Studio Equipment				 Page 7	 Page 10	 Page 11

Islatrol® — BC Series

Two stage, high-frequency noise filter and high-energy current diverter available from 5 Amp single phase to 1200 Amp three phase. The Islatrol® BC Series is ideal protection against surges, transients and noise on incoming AC power lines.

The Islatrol® BC Series responds instantaneously to flatten dangerous surges and protect your investment. Because of its unique Active Tracking® design, there is no significant deterioration of the Islatrol® BC Series filter components. Day after day, Islatrol® BC Series performs with unparalleled dependability.

UL® 1449

Features

- 15-80 kA surge protection
- 47-63 Hz line frequency
- < .5 ns response time
- Available in units noted from 15-1,200 Amps
- RMS voltage input range: 105 to over 480 volts
- 5 year warranty

General Technical Specifications

Part Number	Islatrol® BC
Input Voltage	120 VAC Single Phase, 240 VAC Single Phase 120/240 VAC Single Split Phase 120/208 VAC Three Phase Wye 240 VAC Three Phase Delta 277/240 VAC Three Phase Wye 480 VAC Three Phase Delta
Line Frequency	47-63 Hz
Connection Type	Series connected barrier strip input and output standard
Modes of Protection	Line to neutral standard, other modes available
Surge Current Rating	15,000 to 80,000 Amps

ANSI/IEEE C62.41 Catagory A Ringwave (6 kV, 200A, 100k Hz) Attenuation	Normal Mode ± 5 Volts
ANSI/IEEE C62.41 Catagory B Ringwave (6 kV, 500A, 100k Hz) Attenuation	Normal Mode ± 5 Volts
50Ω RFI/EMI Attenuation Normal Mode	Minimum of 40 dB and maximum of 90 dB from 3 kHz to 150 MHz
	Attenuation >50 dB to the surge withstand capability
	Ringwave (Cat. A & B)
Mean Time Between Failures	Greater Than 100,000 Hours (MIL217)

Packaging	Single phase units through 30 Amps housed in high-impact plastic enclosure. Single phase units greater than 30 Amps and all split and three phase models housed in NEMA 12 enclosures.
Operating Temperature	-40°C to +45°C @ Full Load. Derate Linearly to 60% at +70°C
Load Surge Current	
10M Sec	10 x Nominal
1 Sec	5 x Nominal
5 Sec	2 x Nominal
Safety Approvals	UL 1283, CUL

400-1,200 Amp BC Series

Ordering Information

100, 110, 120 VAC Single Phase

Model	Rated Output (Amps)	Case Dimensions (In) A x B x C	Mounting Flange Dimensions (In) D x E x F	MTG (g)	Screw Size	Weight (lbs)	Figure
BC-150	50.0	14x12x6	14.75x10.0xN/A	.31 (4)	N/A	35.0	3
BC-1100	100.0	20x16x9	21.25x10.0xN/A	.44 (4)	N/A	80.0	1
BC-1200	200.0	24x20x9	25.25x14.0xN/A	.44 (4)	N/A	100.0	1

220, 230, 240, 277 VAC Single Phase — Barrier strips at input & output

Model	Rated Output (Amps)	Case Dimensions (In) A x B x C	Mounting Flange Dimensions (In) D x E x F	MTG (g)	Screw Size	Weight (lbs)	Figure
BC-250	50.0	14x12x6	14.75x10.0xN/A	.31 (4)	N/A	35.0	3
BC-2100	100.0	20x16x9	21.25x10.0xN/A	.44 (4)	N/A	78.0	1
BC-2200	200.0	24x20x9	25.25x14.0xN/A	.44 (4)	N/A	110.0	1

347, 380, 415 VAC Single Phase

Model	Rated Output (Amps)	Case Dimensions (In) A x B x C	Mounting Flange Dimensions (In) D x E x F	MTG (g)	Screw Size	Weight (lbs)	Figure
BC-315	15.0	14x12x6	14.75x10.0xN/A	.31 (4)	N/A	35.0	3
BC-330	30.0	14x12x6	14.75x10.0xN/A	.31 (4)	N/A	35.0	3
BC-350	50.0	16x14x8	16.75x12.0xN/A	.31 (4)	N/A	53.0	3
BC-3100	100.0	20x16x9	21.25x10.0xN/A	.44 (4)	N/A	80.0	1
BC-3200	200.0	24x20x9	25.25x14.0xN/A	.44 (4)	N/A	100.0	1

480 VAC Single Phase — Barrier strips at input & output

Model	Rated Output (Amps)	Case Dimensions (In) A x B x C	Mounting Flange Dimensions (In) D x E x F	MTG (g)	Screw Size	Weight (lbs)	Figure
BC-415	15.0	14x12x6	14.75x10.0xN/A	.31 (4)	N/A	35.0	3
BC-430	30.0	14x12x6	14.75x10.0xN/A	.31 (4)	N/A	38.0	3
BC-450	50.0	16x14x8	16.75x12.0xN/A	.31 (4)	N/A	63.0	3
BC-4100	100.0	20x16x9	21.25x10.0xN/A	.44 (4)	N/A	85.0	1
BC-4200	200.0	24x20x9	25.25x14.0xN/A	.44 (4)	N/A	110.0	1

120/240 VAC Single Phase Dual Voltage — Barrier strips at input & output

Model	Rated Output (Amps)	Case Dimensions (In) A x B x C	Mounting Flange Dimensions (In) D x E x F	MTG (g)	Screw Size	Weight (lbs)	Figure
BC-2-215	15.0	14x12x6	14.75x10.0xN/A	.31 (4)	N/A	35.0	3
BC-2-230	30.0	14x12x6	14.75x10.0xN/A	.31 (4)	N/A	38.0	3
BC-2-250	50.0	16x14x8	16.75x12.0xN/A	.31 (4)	N/A	63.0	3
BC-2-2100	100.0	20x16x9	21.25x10.0xN/A	.44 (4)	N/A	85.0	1
BC-2-2200	200.0	24x20x9	25.25x14.0xN/A	.44 (4)	N/A	110.0	1

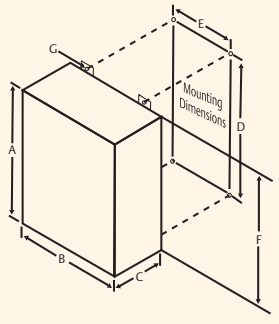


Figure 1

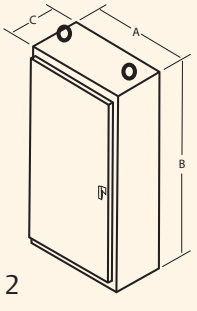


Figure 2

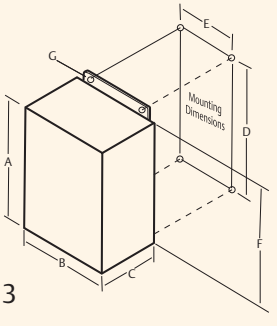


Figure 3

220/380, 220/440, 240/480 VAC Single Phase Dual Voltage — Barrier strips at input & output

Model	Rated Output (Amps)	Case Dimensions (In) A x B x C	Mounting Flange Dimensions (In) D x E x F	MTG (g)	Screw Size	Weight (lbs)	Figure
BC-2-315	15.0	14x12x6	14.75x10.0xN/A	.31 (4)	N/A	35.0	3
BC-2-330	30.0	14x12x6	14.75x10.0xN/A	.31 (4)	N/A	38.0	3
BC-2-350	50.0	16x14x8	16.75x12.0xN/A	.31 (4)	N/A	63.0	3
BC-2-3100	100.0	20x16x9	21.25x10.0xN/A	.44 (4)	N/A	85.0	1
BC-2-3200	200.0	24x20x9	25.25x14.0xN/A	.44 (4)	N/A	110.0	1

120/208 VAC Three Phase Wye or 208, 240 VAC Three Phase Delta — Barrier strips at input & output

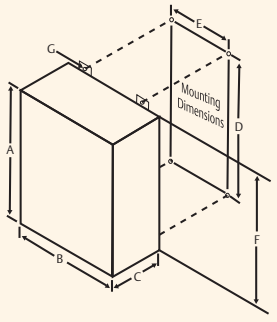
Model	Rated Output (Amps)	Case Dimensions (In) A x B x C	Mounting Flange Dimensions (In) D x E x F	MTG (g)	Screw Size	Weight (lbs)	Figure
BC-3-215	15.0	14x12x6	14.75x10.0xN/A	.31 (4)	N/A	38.0	3
BC-3-230	30.0	14x12x6	14.75x10.0xN/A	.31 (4)	N/A	38.0	3
BC-3-250	50.0	16x14x8	16.75x12.0xN/A	.31 (4)	N/A	65.0	3
BC-3-2100	100.0	20x16x9	21.25x10.0xN/A	.44 (4)	N/A	90.0	1
BC-3-2200	200.0	24x20x9	25.25x14.0xN/A	.44 (4)	N/A	115.0	1
BC-3-2400	400.0	80x36x18	N/A	N/A	N/A	500.0	2
BC-3-2600	600.0	80x36x18	N/A	N/A	N/A	500.0	2
BC-3-21000	1000.0	100x46x28	N/A	N/A	N/A	850.0	2
BC-3-21200	1200.0	100x46x28	N/A	N/A	N/A	850.0	2

220/380, 230/400,240/415 VAC Three Phase Wye or 380, 400, 415 VAC Three Phase Delta — Barrier strips at input & output

Model	Rated Output (Amps)	Case Dimensions (In) A x B x C	Mounting Flange Dimensions (In) D x E x F	MTG (g)	Screw Size	Weight (lbs)	Figure
BC-3-315	15.0	14x12x6	14.75x10.0xN/A	.31 (4)	N/A	38.0	3
BC-3-330	30.0	14x12x6	14.75x10.0xN/A	.31 (4)	N/A	38.0	3
BC-3-350	50.0	16x14x8	16.75x12.0xN/A	.31 (4)	N/A	65.0	3
BC-3-3100	100.0	20x16x9	21.25x10.0xN/A	.44 (4)	N/A	90.0	1
BC-3-3200	200.0	24x20x9	25.25x14.0xN/A	.44 (4)	N/A	115.0	1
BC-3-3400	400.0	80x36x18	N/A	N/A	N/A	500.0	2
BC-3-3600	600.0	80x36x18	N/A	N/A	N/A	500.0	2
BC-3-31000	1000.0	100x46x28	N/A	N/A	N/A	850.0	2
BC-3-31200	1200.0	100x46x28	N/A	N/A	N/A	850.0	2

277/480 VAC Three Phase Wye or 440, 480 VAC Three Phase Delta — Barrier strips at input & output

Model	Rated Output (Amps)	Case Dimensions (In) A x B x C	Mounting Flange Dimensions (In) D x E x F	MTG (g)	Screw Size	Weight (lbs)	Figure
BC-3-415	15.0	14x12x6	14.75x10.0xN/A	.31 (4)	N/A	38.0	3
BC-3-430	30.0	14x12x6	14.75x10.0xN/A	.31 (4)	N/A	38.0	3
BC-3-450	50.0	16x14x8	16.75x12.0xN/A	.31 (4)	N/A	65.0	3
BC-3-4100	100.0	20x16x9	21.25x10.0xN/A	.44 (4)	N/A	90.0	1
BC-3-4200	200.0	24x20x9	25.25x14.0xN/A	.44 (4)	N/A	115.0	1
BC-3-4400	400.0	80x36x18	N/A	N/A	N/A	500.0	2
BC-3-4600	600.0	80x36x18	N/A	N/A	N/A	500.0	2
BC-3-41000	1000.0	100x46x28	N/A	N/A	N/A	850.0	2
BC-3-41200	1200.0	100x46x28	N/A	N/A	N/A	850.0	2



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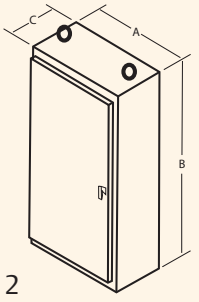


Figure 2

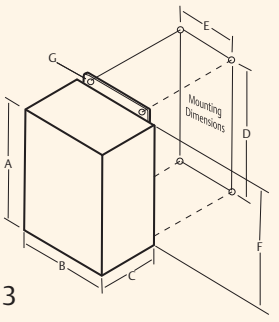


Figure 3

Model shown: RM-115-10 RM

Islatrol® — RM Series

120 VAC Rackmount

This line of AC surge protectors is ideal for protecting the power feeding valuable rack equipment. All models provide ten protected outlets on the back and two protected convenience outlets on the front. This series provides 40,000 Amps of surge protection and up to 60 dB of high-frequency noise filtering. Status LEDs indicate the correct power is coming to the unit, whether the unit is properly grounded and whether the surge components are still intact. Units are available with an optional digital meter, mounted on the front of the unit, that will monitor the voltage, current and power of the protected equipment.

Features

- 40 kA surge protection
- 60 dB max noise filtering
- 15 A & 20 A models available
- Power, ground and surge status indicators
- Digital meter
- Optional twist lock plug
- 1 year warranty

General Technical Specifications

Part Number	Voltage	Amperage	Plug (NEMA)	Receptacles (NEMA)	Digital Meter	Locking Plug
RM-115-10RM	120 V	15 A	5-15P	5-15R	Yes	No
RM-120-10RM	120 V	20 A	5-20P	5-20R	Yes	No

Rackmount AC Power Protection

Rated Voltage	120 V
Rated Current	15 A & 20 A
Peak Surge Current	20 kA/mode, 40 kA/phase
Response Time	<5 ns
EMI/RFI Filtering	60 dB Max
LED Indicators	Green-Power On Green-Ground OK Green-Surge Circuit OK
Digital Meter	Voltage Amps, Watts, VA, Hz, PF, Kwh, and Clock
Input Power	
15 A Models	SJT 14/3C Power Cord (15 ft) with NEMA 5-15P Plug
20A Models	SJT 12/3C Power Cord (15 ft) with NEMA 5-20P Plug NEMA L5-20P Plug- Optional
Output Receptacles	
15 A Models	Front- (2) NEMA 5-15R Back- (10) NEMA 5-15R
20 A Models	Front- (2) NEMA 5-20R Back- (10) NEMA 5-20R
Thermal Protection	Thermal Protected MOVs
Over-current Protection	Circuit
Dimensions	1.75"H x 19"W x 2.0"D (1U)
Warranty	1 Year

PowerSure® — IH Series

Modular Surge Protective Device (SPD) capable of handling the high-impulse, potentially damaging transients commonly found at the service entrance or distribution panels. Its robust design allows for placement and protection in the most severe exposure locations.

Features

- Surge current capacity — 100,000 to 400,000 Amps per phase
- Replaceable modules ensure protected mode flexibility
- All voltage and phase configurations
- Unique MOV/silver link fuse array enables the IH Series to deliver the industry's most robust design; Coordination between fuse gauge and MOV ensures repeatable strike performance
- Status indication includes: audible alarm, form C contact, and internal/external status indication
- Optional equipment includes rotary disconnect, surge counter, NEMA 3R, 4 or 4X enclosures
- 5 year warranty

UL®
1449

Performance Technical Specifications

Part Number	PowerSure® IH
Clamping	
UL 1449 Classification*	
120/208	
Line to Neutral	500 Volts
Line to Line	700 Volts
Line to Ground	500 Volts
Neutral to Ground	400 Volts
277/480	
Line to Neutral	900 Volts
Line to Line	1,600 Volts
Line to Ground	900 Volts
Neutral to Ground	800 Volts
480	
Line to Line	1,800 Volts
Line to Ground	1,800 Volts

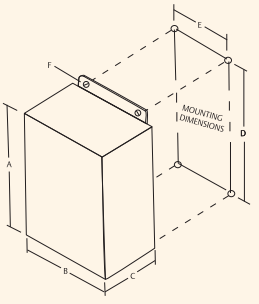
** UL classifications for other voltages available upon request.*

Peak Surge Current Capability (8 x 20 µs)	
Model: IHxxxx400	
Phase:	400,000 Amps
L-N:	200,000 Amps
L-L:	200,000 Amps
L-G:	200,000 Amps
N-G:	200,000 Amps
Model: IHxxxx200	
Phase:	200,000 Amps
L-N:	100,000 Amps
L-L:	100,000 Amps
L-G:	100,000 Amps
N-G:	100,000 Amps
Model: IHxxxx200-2	
Phase:	200,000 Amps
L-N:	200,000 Amps
L-L:	200,000 Amps
L-G:	N/A
N-G:	200,000 Amps
Model: IHxxxx100-2	
Phase:	100,000 Amps
L-N:	100,000 Amps
L-L:	100,000 Amps
L-G:	N/A
N-G:	100,000 Amp

General Technical Specifications

Operating Voltage Range	+/- 15%
Fault Current Rating (AIC)	200 kAIC
Operating Frequency Range	47–63 Hz
Capacity	Continuous
50 Ω EMI/RFI Attenuation	50 dB
Response Time	< 0.5 ns
Operating Temperature	-40°C to +50°C
Operating Humidity	0% to 95%
Certifications	UL 1449, 1283, CUL, CE
Warranty	5 Year

Dimensional Diagram



Model	A	B	C	D	E	F
IHxxxY400	16	14	8	16.75	12	.31
IHxxxD400	16	14	8	16.75	12	.31
IHxxxY200-2	16	14	8	16.75	12	.31
IHxxxD200-2	16	14	8	16.75	12	.31
IHxxxY200	16	14	8	16.75	12	.31
IHxxxD200	16	14	8	16.75	12	.31
IHxxxY100-2	16	14	8	16.75	12	.31
IHxxxD100-2	16	14	8	16.75	12	.31

PowerSure® — IM Series

A compact Surge Protective Device (SPD) designed to protect electronic equipment and microprocessor-based systems from transients on distribution and sub-distribution panels, or any medium exposure locations.

Features

- Surge current capacity — 100,000 to 160,000 Amps per phase
- All mode and 2 mode protection option
- Small footprints
- All voltage and phase configurations
- NEMA 12 metal enclosure
- Sand encapsulation
- Form C contact for remote indication, LED status indication, and audible alarm standard
- Thermal protection
- Silver link fusing
- 5 year warranty

UL®
1449

Performance Technical Specifications

Part Number		PowerSure® IM
Clamping		
UL 1449 Classification*		
120/208	**100-2**	**160**
Line to Neutral	400 Volts	400 Volts
Line to Line	800 Volts	700 Volts
Line to Ground	800 Volts	400 Volts
Neutral to Ground	400 Volts	400 Volts
277/480	**100-2**	**160**
Line to Neutral	800 Volts	800 Volts
Line to Line	1,500 Volts	2,500 Volts
Line to Ground	1,500 Volts	800 Volts
Neutral to Ground	800 Volts	800 Volts
480	**100-2**	**160**
Line to Line	1,500 Volts	2,500 Volts
Line to Ground	800 Volts	1,500 Volts

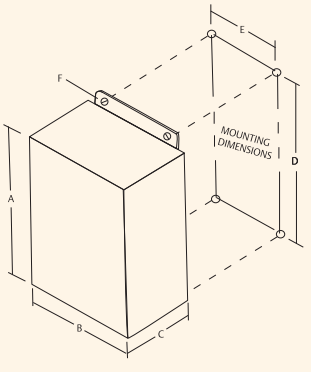
** UL classifications for other voltages available upon request.*

Peak Surge Current Capability (8 x 20 µs)	
Model: IMxxxx160	
Phase:	160,000 Amps
L-N:	80,000 Amps
L-L:	80,000 Amps
L-G:	80,000 Amps
N-G:	80,000 Amps
Model: IMxxxx100-2	
Phase:	100,000 Amps
L-N:	100,000 Amps
L-L:	100,000 Amps
L-G:	N/A
N-G:	100,000 Amps

General Technical Specifications

Operating Voltage Range	+/- 15%
Fault Current Rating (AIC)	65 kAIC
Operating Frequency Range	47–63 Hz
Capacity	Continuous
50 Ω EMI/RFI Attenuation	40 dB
Dry Contact Rating	125 VAC, 8A, 1.0 pf
Response Time	< 0.5 ns
Operating Temperature	-45°C to +50°C
Operating Humidity	0% to 95%
Certifications	UL 1449, CUL
Warranty	5 Year

Dimensional Diagram



Model	A	B	C	D	E	F
IMxxxY160	8	6	4	8.75	4	.31
IMxxxD160	8	6	4	8.75	4	.31
IMxxxY100-2	6	4	3	6.75	2	.31
IMxxxD100-2	6	4	3	6.75	2	.31

REPOSITIONABLE OUTLETS

UL® 1449

Islatrol® — SP-6TVN

Industrial Strength Surge Suppression (Series)

The Islatrol® SP-6TVN is an industrial-strength surge suppression/filtering device that plugs into a standard duplex receptacle. It features uniquely designed repositionable outlets and protects against damaging power disturbances traveling through your wiring into your electrical outlets.

Features

- Plugs into standard 120 V, 15 Amp electrical outlet
- Total peak surge current capacity of 39,000 Amps
- Cables for telephone, video, and data connectors
- Repositionable outlets rotate to accommodate available space
- Intelligent monitoring against improper wiring/grounding
- 60 dB maximum high frequency
- Operational indicator lamp
- 5 year limited warranty

General Technical Specifications

AC Power Protection	
Part Number	Islatrol® – SP-6TVN
Nominal Operating Voltage	120 VAC, Single Phase
Operating Voltage Range	120 VAC +/- 10%
Operating Frequency Range	47 – 63 Hz
Rated Output (Amps)	15 Amperes
ANSI/IEEE C62.41 Category	Category A & B
Connection Type	(6) 5-15R Receptacles and 5-15P Plug
Phase Configuration	2 Wire + Gnd
Size	7.5 x 4.75 x 1.75 (Inches)
Enclosure	High Impact Plastic
Weight	2.0 lbs (0.9 kgs)
Modes Of Protection	L – N, L – G, N – G
Indication of Suppression Status	Status Indicator
Response Time	< .5 ns Normal Mode
Certifications	UL 1449 Listed
Warranty	5 Year

Maximum Continuous Operating Voltage (MCOV)	
Line to Neutral	130 VAC

Peak Surge Current (8 x 20 µs)	
Line to Neutral	13,000 Amps
Line to Ground	13,000 Amps
Neutral to Ground	13,000 Amps
Total	39,000 Amps

ANSI/IEEE C62.41 Cat A Ringwave (6 kV, 200 A, 100 KHz) Attenuation	
Normal Mode	265 V
Common Mode	290 V

ANSI/IEEE C62.41 Cat B Ringwave (6 kV, 500 A, 100 KHz) Attenuation	
Normal Mode	275 V
Common Mode	290 V

Frequency Response	
Normal Mode	60 dB maximum, forward/reverse, 100 KHz to 50 MHz
Common Mode	40 dB maximum, forward/reverse, 5 MHz to 50 MHz

Low Voltage Protection	**Video 1 & 2**	**Phone**	**Network**
Connection Type	Type "F"	Type RJ-11	Type RJ-45
Cables Provided	6' (2x) Type "F" Ends	6' RJ-11 Male Ends	6' RJ-45 Male Ends
Peak Surge Current	5 kA (8 x 20 µs)	2 kA (10 x 1000 µs)	3 kA (8 x 20 µs)
Capacitance	<12 pf	<50 pf	<70 pf
Protection Level	L-G	T-R, T-G, R-G	L-G (8 Lines)
Clamping Voltage (DC)	145 V	270-350 V	30 V
Attenuation	1 dB @ 2 GHz	N/A	N/A

Edco CAT6-5 POE

CAT6/CAT5 Power Over Ethernet

The Edco CAT6-5 POE Series is designed to work on Category 5 **Power-Over-Ethernet** transmission lines as well as Category 6 applications. Ideal to protect expensive equipment against surges and transients entering a building on exposed transmission lines. Available in both female to female and male to female RJ-45 connectors.

Features

- Exceeds CAT5 & 6 transmission values
- CAT5 POE compatible
- CAT6 compatible
- Applications up to 60 VDC @ 300 mA
- 1 year warranty

General Technical Specifications

Part Number	Edco CAT6-5 POE
Operating Voltage	60 VDC
Clamping Voltage	65 VDC
Operating Current	300 mA
Peak Surge Current	60 A (10 x 1000 µs)
Frequency Range	0–250MHz
Insertion Loss	< 0.1 dB at 20 MHz

SPD Technology	Silicon Avalanche Diode(SAD)
Connection Type	RJ-45 Jacks
Operating Temperature	-40°C to +85°C
Dimensions (Inches)	0.8H x 1.0W x 2.3L (FF) 0.8H x 1.0W x 3.0L (MF)
Weight	1 oz
Certifications	ISO 9001:2000

Ordering Information

RJ-45 (FF)	CAT6-5POE-FF
RJ-45 (MF)	CAT6-5POE-MF

On-Line UPS

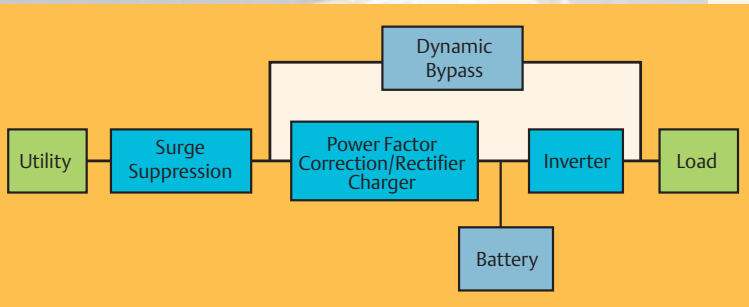
Protection for Essential and Critical Applications

The Liebert® GXT will transfer the critical load to utility power (bypass mode) in the event of adverse conditions within the UPS. This adds an extra measure of reliability and availability to the supported equipment. No additional cabinets are necessary.

Unlike other UPS technologies, the Liebert GXT handles all of the following potential power problems:

- Power spikes and transients
- EMI/RFI noise
- Voltage sags and brownout conditions
- Harmonics
- Power-factor corrected loads
- Outages
- Frequency variations

The Liebert® GTX is available in 500, 700, 1000, 1500, 2000 and 3000 VA capacities.

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