

The Liebert AccuVar Series is a multi-phase, multi-mode distribution panel mounted transient voltage surge suppressor (TVSS) that offers continuous protection from damaging transients and electrical line noise. LED lights indicate operation status and an audible alarm will sound if protection becomes unavailable. Remote monitoring provides an indication of suppression system failure, under voltage, phase, or power loss.



Features & Benefits		
Flexibility:	Higher Availability:	Lowest Total Cost Of Ownership:
<ul style="list-style-type: none"> ▪ Retrofits easily on existing panelboards. ▪ Attaches directly to breaker panel. 	<ul style="list-style-type: none"> ▪ Monitors all modes of failure, including neutral to ground, with patented detection circuitry ▪ Offers easy, safe, and maintenance-free operation. ▪ Retrofits easily to existing distribution panels 	<ul style="list-style-type: none"> ▪ Provides repeatable surge current capability for long product life. ▪ Protects your investment with a standard warranty: 10 years for parts.

Frequently Asked Questions	
Question	Resolution
How far away from the panel can the Accuvar be mounted?	The Accuvar should be mounted as close as physically possible to the connected panel; General rule is five feet or less.
What if a neutral is not available in the panel to connect to?	If a neutral terminal is provided in the Accuvar it must be connected to. Make sure the number of conductors needed is determined in advance.
Can you use a Delta Accuvar on a Wye system?	Liebert maintains a warehouse of products in Mississippi for quick distribution. Ingram Micro and Tech Data also stock many standard Liebert UPS products for next day shipment.
Can the Accuvar be directly connected to the panels bus bars?	The Accuvar must be behind the main circuit breaker coming into a facility. A dedicated breaker feeding the TVSS provides an easy means of disconnecting from the power source, but is not required.
What is the recommended breaker and wire size?	It is recommended that the Accuvar is connected to the panel using #10 gauge wire and a 30 amp circuit breaker.

AccuVar TVSS Technical Specifications

Maximum Continuous	
Operating Voltage (MCOV)	120V 125%, all others 115%
Fault Current Rating (AIC)	200 kAIC
Operating Frequency Range	47 – 63 Hz
Connection	Parallel (10-14 AWG)
50 EMI/RFI Attenuation (60 dB – Optional)	10 kHz-100MHz (60 dB – Optional)
Response Time	<0.5 ns
Operating Humidity	0% to 95%
Status Indication	LEDs, Audible Alarm (Standard), Dry Contacts (Optional)
Certifications	UL 1449 & 1283, CSA, CE,
NEMA LS-1, ISO 9001	NEMA LS-1, ISO 9002
Enclosure	NEMA 4X
Warranty	10 Years parts
Shipping Weight	8 lb.

UL 1449 second edition clamping data

Voltage	L-N	L-G	L-L	N-G
120/208	400	400	800	400
120/240	400	400	800	400
240	X	800	800	X
277/480	800	800	1500	800
36/600	1200	1200	2000	1200
480	X	1500	1500	X
600	X	2000	2000	X

EMI/RFI Noise Rejection

Single Unit	Frequency	System Installation
120/208	400	400
120/240	400	400
240	X	800
277/480	800	800
36/600	1200	1200
480	X	1500
600	X	2000

Life Cycle Surge Testing - 10kA, 20kV, IEEE Cat. C3

Unit	Per Mode(L-N/L-G/N-G)	Per Phase
ACV	6,000 / 6,000 / 6,000	12,000
All	8,000 / 8,000 / 8,000	16,000

Model/Surge Current

ACV	
	ACCUVAR
	65kA
	Per Mode
ALL	
	ACCUVAR II
	80kA
	Per Mode

Nominal (L-G)

Voltage Codes	
120	120V
208	208V
230	230V
240	240V
277	277V
346	346V
480	480V
600	600V

Source Configuration

-	1 Phase L-N 2w + gnd (must put "-" in part number)
-	1 Phase L-L 2w + gnd (must put "-" in part number)
S	Split Phase 3w + gnd
Y	3 Phase Wye 4w + gnd
D	3 Phase Delta 3w + gnd
H	3 Phase Delta Hi-leg 4w+ gnd

Option Codes

R	Standard Options – (Red & Green LED's, Audible Alarm with Enable/Disable Feature)
RE	Standard Options + Enhanced EMI/RFI Filtering
RK	Standard Options + Alarm Relay Contacts
RKE	Standard Options + Enhanced EMI/RFI Filtering & Alarm Relay Contacts