

Model No's. ACS-PR-2009, ACS-PR-2009-VTE

Rackmount Panels

20A power panels with surge protection

Features

- 20A system circuit breaker and a receptacle (always on) that is independently protected by a 5A circuit breaker
- Line-to-neutral power protection compliant with UL1449 4th edition and ANSI C62.41 to defeat surges up to 72,000A
- LED status indicators
- 19"W x 9"D x 1.75"H (1U) chassis
- Lighted on/off actuation switch on front panel
- Rear panel layout has one unswitched duplex outlet, one unswitched single outlet, one switched duplex, three switched single outlets
- 9-ft. attached cord with NEMA 5-20P plug
- ETL Listed in the US and Canada.
- Made in the U.S.A.



ACS-PR-2009-VTE

Specifications

Power Rating:	120VAC, 60Hz, 20A 2400W
Actuation Switch:	Front panel lighted on/off rocker switch
Termination:	9-ft. attached cord with NEMA 5-20P plug
Circuit Breaker:	20A
Receptacles (9):	Front: One single unswitched - always on (independently protected by 5A circuit breaker) Rear: One duplex unswitched - always on One single unswitched - always on One duplex switched Three single switched
Chassis:	Steel with black powder epoxy paint finish.
Dimensions:	19"W x 1.75"H (1U) x 9"D
Weight:	12 lbs.
Safety Agency Approvals:	ETL Listed in US and Canada to UL Standard 60065

Model Specific Features (ACS-PR-2009-VTE)

- Over/Under protection (VTE) automatically turns receptacles off when line voltage drops below 100V or rises above 140V
- Following a voltage tolerance shutdown, the unit will automatically restore power to the receptacles when the unit detects acceptable line voltage

A & E Specifications

The AC power panel shall be Lowell Model _____ (ACS-PR-2009, ACS-PR-2009-VTE). It shall be ETL Listed and have a power rating of 120VAC, 60Hz/20A with EMI/RFI filtering and nine outlets (4 unswitched, 5 switched). It shall be housed in a 1U rackmount steel chassis finished in black epoxy paint. Front activation shall be via a lighted rocker switch. It shall include advanced surge protection that is UL1449 fourth edition and ANSI C62.41 compliant to defeat surges up to 72,000A. Termination shall be 9-ft attached cord with NEMA 5-20P plug.

Model with over/under voltage protection (ACS-PR-2009-VTE) shall include auto reset circuitry to turn all receptacles off when line voltage exceeds 140V or drops below 100V.

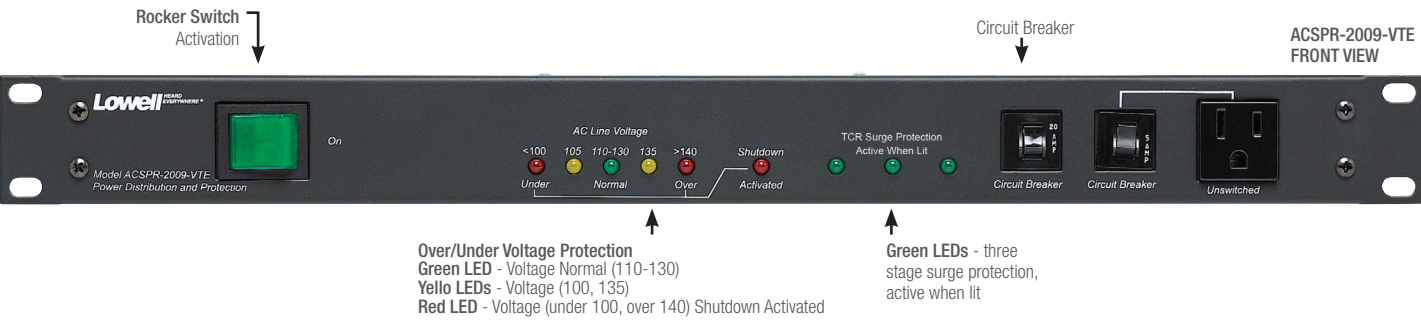
Three-Stage Surge Suppressor

Maximum Surge Current	72,000A (exceeds UL1449-4 6000V, 3000A).
Initial Clamping Voltage	205V, UL rating 400V
Endurance	IEEE C62.41-1991, B3 (C1), Pulses (lifetime): 1kv≥1,000,000; 3kv≥100,000; 6kv≥5000
Transient Noise Reduction	25dB@100kHz, 50dB@1MHz
Response Time	Less than 5 nanoseconds
Protection Mode	Line to neutral, zero ground leakage
UL1449-2 Adjunct Results	1000 surges, 6000 volts, 3000A, C1 and B3 waveforms (IEEE C62.41), No failures
Diagnostic LED's*	One green LED for each stage All stages active when lit
Applicable Standards:	IEEE standard 587-80 A & B, IEEE standard C62.41-1991, IEC 1000-4-5-1995 (IEC 801-5).
EMI/RFI Filter:	19dB@500kHz, 42dB@30MHz

Additional for Model with Voltage Tolerance Envelope (ACS-PR-2009-VTE)

Over/Under Voltage Protection	All receptacles turn off when power in exceeds 140V or drops below 100V. Receptacles turn back on when power returns to acceptable range.
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* Lowell's Triple Clamping Redundancy is exactly that - triple clamping for triple protection. This means that if one section of the suppressor has gone off-line, there are two additional sections available to safeguard equipment. Device is endurance tested.



Model No. Summary

Model No.	Description	Outlets	Amperage	Surge Protection	Over/Under Voltage Protection	Chassis
ACSPR-2009	AC Rackmount Panel (1U)	9	20A	Yes	No	19" x 9" x 1.75"
ACSPR-2009-VTE	AC Rackmount Panel (1U)	9	20A	Yes	Yes	19" x 9" x 1.75"