

19" Rackmount AC Panel with optional surge suppressor – 20A Corded

Description:

Feature strong family of AC power panels let you select the options and protection criteria you need to meet specifications. All models are ETL Listed assemblies in a slim rackmount chassis size 19"W x 9"D x 1.75"H (1U). The front panel includes a lighted on/off actuation switch, a 20A system circuit breaker and a receptacle (always on) that is independently protected by a 5A circuit breaker. The rear panel layout has one unswitched duplex outlet, one unswitched single outlet, one switched duplex, three switched single outlets and a 9 foot cord with NEMA 5-20P plug.

Model ACR2009 is a 20A power panel with all features noted in the description paragraph.

Model ACS-2009 is a 20A power panel with the features noted in the description paragraph plus line-to-neutral surge suppression. The surge suppressor is UL1449 third edition and ANSI C62.41 compliant to defeat surges up to 72,000A. The front panel includes multi-color LED's for visual identification of system status.

Model ACS-2009-VTE is a 20A power panel with the features noted in the description paragraph plus line-to-neutral surge suppression plus over/under voltage protection. The surge suppressor is UL1449 third edition and ANSI C62.41 compliant to defeat surges up to 72,000A. The front panel includes multi-color LED's for visual identification of system status. Lowell's over/under Voltage Tolerance Envelope™ (VTE) circuitry with auto reset turns all receptacles off when line voltage exceeds 140V or drops below 100V for circumstances such as extended line voltage rises or sags. Following a voltage tolerance shutdown, the unit will automatically restore power to the receptacles when the unit detects acceptable line voltage.

Features:

- 20A power panel with circuit breaker.
- Models with surge suppressor are UL1449 third edition and ANSI C62.41 compliant to defeat surges up to 72,000A.
- Models with VTE over/under voltage protection turn receptacles off when voltage exceeds 140V or drops below 100V.
- Ten-year warranty.
- ETL Listed in the US and Canada.
- Made in the U.S.A.

A & E Specifications:

The AC power panel shall be Lowell Model _____ (ACR-2009, ACS-2009, ACS-2009-VTE). It shall be ETL Listed and have a power rating of 120VAC, 60Hz/20A with EMI/RFI filtering and nine outlets (3 unswitchd, six 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. Termination shall be 9ft cord with NEMA 5-20P plug.

Models with surge suppressor (ACS-2009, ACS-2009-VTE) shall include advanced surge protection that is UL1449 third edition and ANSI C62.41 compliant to defeat surges up to 72,000A.

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

Model: ACS-2009-VTE



Specifications:

All Models (ACR-2009, ACS-2009, ACS-2009-VTE)

Power Rating:	120VAC, 60Hz, 20A 2400W
Actuation Switch:	Front panel lighted on/off rocker switch
Termination:	9 foot 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

Additional for Models with Surge Suppressor (ACS-2009, ACS-2009-VTE)

Maximum Surge Current	72,000A (exceeds UL1449-3 6000V, 3000A).
Initial Clamping Voltage	205V, UL rating 330V
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 left (Green): On = Ground verified, Center (Green): On = Protection active, Right (Red): On = Protection reduced*.
Diagnostic LED's	
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-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 'reduced protection', there are two additional sections available to safeguard equipment. Device is endurance tested.*

Model	Description	Amperage	Surge Suppression	Over/Under Voltage Protection
ACR-2009	AC Rackmount Panel (1U)	20A	No	No
ACS-2009	AC Rackmount Panel (1U) with advanced surge suppression	20A	Yes	No
ACS-2009-VTE	AC Rackmount Panel (1U) with advanced surge suppression + o/u voltage protection	20A	Yes	Yes

Models: ACR-2009, ACSPR-2009, ACSPR-2009-VTE

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Front
Model: ACR-2009



Front
Model: ACSPR-2009

Surge Suppression & Ground Protection
Green LED's - Verified, Full Protection
Red LED - Reduced Protection



Front
Model: ACSPR-2009-VTE

Over/under voltage protection
Green LED - Voltage Normal (110-130)
Yellow LED's - Voltage (100, 135)
Red LED's - Voltage under 100, over 140, Shutdown Activated



Rear (all models)
Includes 9-ft. attached cord with NEMA 5-20P plug.