

# 19" Rackmount Power Panel (optional surge protection, O/U protection)

## Description:

Variety of 19" rackmount panels with (15A) AC power outlets and options for different levels of surge protection or over/under voltage protection let you select exactly what's needed to support the equipment specified for each project, while staying within budgetary guidelines. All units are ETL Listed in the US and Canada (to UL Standard 60065) and are made in the USA with domestic and foreign parts. All models include:

- Steel Chassis (black): 19"W x 9"D x 1U
- Front activation rocker switch (lighted)
- Attached 9-ft. cord with NEMA 5-15P plug
- Power Rating: 120VAC, 60Hz, 15A (NEC Art.210.21 [B] [2] rating 12A) 15A circuit breaker



Front and back of panels vary according to options featured. All models include attached 9-ft. cord with plug.



## Features that are model specific:

- **Model No. ACR-1509:**
  - Rear outlets: 5 switched, 3 unswitched
  - Front outlet: 1 unswitched
  - No surge protection
- **Model No. ACR-1509-S:**
  - Rear outlets: 3 switched, 5 unswitched
  - Front outlet: 1 unswitched
  - Surge Protection: basic
  - (1) LED status indicator on front shows protection is active
  - Maximum Surge Current: 30,000A
  - VPR (UL1449-3): 400V
  - Endurance: 100 WCS\* (unlimited low level surges)
  - Response Time: 1 nanosecond
  - EMI/RFI Noise Reduction: 20dB@100kHz
  - Protection Mode: Line to neutral only. No ground contamination.
- **Model No. ACSPR-1509:**
  - Rear outlets: 5 switched, 3 unswitched
  - Front outlet: "always on" outlet independently protected by 5A circuit breaker
  - Surge Protection: advanced (3-stage)
  - Multiple LED status indicators on front
  - 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
  - Diagnostic LEDs: Left green light on = ground verified, Center green light on = protection active, Right red light on = protection reduced.
  - 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

## • Model No. ACSPR-1509-VTE:

- Same as Model No. ACSPR-1509 except this unit also includes over/under voltage protection to turn all outlets off when line voltage exceeds 140V or drops below 100V. Unit has auto-reset to restore power to outlets when acceptable line voltage is detected.

## A & E Specifications:

The AC rackmount power panel shall be Lowell Model \_\_\_\_\_. It shall be ETL Listed and have a power rating of 120VAC, 60Hz, 15A with nine outlets. Front activation shall be via a lighted rocker switch. Termination shall be a 9-ft. cord with NEMA 5-15P plug. The steel chassis shall be 1U x 19"W x 9"D and have a black powder epoxy finish. [Options: Unit shall also include surge protection. It shall also include over/under voltage protection with auto-reset to turn all outlets off when line voltage exceeds 140V or drops below 100V.]

\* *Worst Case Situation: Defined as power quality disruptions likely to cause facility infrastructure damage such as direct lightning strike, transmission line cross-connection or collapse (from severe storm, ice damage, etc.) sub-station transformer explosion, etc. Industry standards for residential and commercial service entrance equipment limit surges entering a facility from external sources to maximum of 6kV and 10kA.*

Model No.	Front Outlets (qty)*	Rear Outlets (qty)*	Surge Protection	Over/Under Voltage Protection
ACR-1509	1-unswitched	5-switched, 3-unswitched	---	---
ACR-1509-S	1-unswitched	3-switched, 5-unswitched	basic	---
ACSPR-1509	1-unswitched	5-switched, 3-unswitched	advanced	---
ACSPR-1509-VTE	1-unswitched	5-switched, 3-unswitched	advanced	yes

\* Unswitched outlets are always on.

