

ACT 481 DC 1U

Power Distribution Panel



▶ In today's power applications, rack mounted power distribution panels must be flexible to handle the many changing customer needs. The ACT 481 1U Power Distribution Panels offer a wide range of features to allow specific customization at off the shelf pricing.

The ACT 481 DC Panel has flexible options that allows Front or Back Feed Access, Single Feed (up to 8 breakers) or Double Feed Input (4/4 breakers).

While the standard unit is designed for the popular 19" rack, we also offer a 23" mounting bracket option. A full range of features are also offered, including remote alarms (-A) (red LED and NC/NO Form C Contact), an alarm trips anytime a breaker trips. An optional heavy duty surge protector (-S) protects the whole power bus while safely being wired behind Breaker 8, tripping offline when surge protector fails.

▶ RECOMMENDED LOCATION

- Telecom Cabinets
- Waste Water Treatment Cabinets
- Remote Shelters or Cabinets

▶ FEATURES AND BENEFITS

- Floated Bus - battery and return
- Front or Back Load Options
- Single or Dual Fed Bus
- Alarms - NC/NO Contacts and Red LED
- 19" & 23" Rackmount Options
- Optional Surge Protector
- Selectable Breaker Quantity and Size
- Airpax Listed Breakers
- Finished Aluminum – lightweight while providing strength
- 2-Year Standard Warranty

▶ STANDARDS MET

- Safety – Panel Designed to UL 1801
- Designed to UL60950-1, EN60950-1, EN 60934-2001
- ANSI/ IEEE 1100
- ANSI/IEEE C62.41, C62.45
- ANSI/NFPA 70 National Electrical Code
- Breakers Listed to UL1077, CSA and VDE

ACT 481 DC 1U Specifications

MECHANICAL

Dimensions (Standard)	19" W x 1.75" H x 5.0" D
Weight (Dependent on no. of breakers)	8.5 lbs (fully loaded with breakers)
Short Term Op Temp	-5C to 55C
Ambient	Up to 25C
Store Temp	-40C to 70C
Non-condensing humidity	5% to 95%
Enclosure	Painted - Black standard
Rack Mounting	19" Std or 23" optional

ELECTRICAL

Input Connections	Crimp Type on 1/4-20 stud 5/8" Spacing	
Input Wire Size	Up to 2 Awg	
Max. Terminal Width	.46"	
Output Connections	Barrier Terminal Strips	
Output Wire Size	12-24 AWG	
Max. Terminal Width	.33"	
Number of poles /breakers	1- Pole - 8 Max.	
Voltage Type	48V	42 - 60VDC
	24V	21-30VDC
	12V	105-15VDC
Available Breaker Amperage	5A, 10A, 15A, 20A	For panel loading info contact ACT Communications
Polarity	Floated Bus - Battery & Return	
Breaker Type	Airpax SNAPAK	
Breaker Types	1A to 30A	
Alarm Indicator	Standard	Power On Green LED
	Optional-A	Tripped Breaker - Red LED
		NO / NC Remote Alarm Contacts - Wire Wrap
Bus Capacity	100 Amps	
Ampere Rating	30, 20, 15, 10, and 5 Amp	
Short Circuit Rating	DC 65V 1000A	

SAFETY STANDARDS

Panels designed to:	UL 1801, UL60950-1 ,EN60-950-1, EN 60934-2001
Breakers listed to:	UL1087, CSA and VDE

PART NUMBER

ACT481-XXX-YY-ZZZZ	1 U Power Distribution Panel		
Where:	XXX	Voltage type	012, 024, 048, 120, 120S
	YY	Number of Breakers	01 to 08
Options	-A	Remote Alarm	Alarm Red LED and Form C relay contact NC / NO
	-F or -B	Front or Back Load	
	-D	Single or Dual Fed Bus	Single Fed Standard, -D for dual fed buses
	-23	23" Mounting Brackets	
	-S	Surge Protector	Breaker Fed Surge Protector - Protects whole bus
	-SS	Safety Shield	Plexiglass shield over all open bus connections
-ZZZZ	Customer Build Code	A-Z, 1-9	

Example: ACT481-048-08-AF05 1U DC Distribution Panel at 48V, 8 breakers with alarm and Front Load option with customer build code of 05