

## 1.92kW Single-Phase Metered PDU + Isobar Surge Suppression, 3840 Joules, 120V Outlets (12 5-20R, 2 5-15R), L5-20P/5-20P, 15ft Cord, 1U Rack-Mount

MODEL NUMBER: AL-84052



### Highlights

- Metered single phase 20A 120V PDU with Isobar Surge Suppression
- 1U Horizontal rackmount, Digital current meter
- 3840 Joule suppression rating, Diagnostic LEDs
- NEMA L5-20P input with 5-20P adapter; 15ft / 4.5m line cord
- 12 NEMA 5-20R outlets (rear), 2 5-15R outlets (front)
- Reversible housing; 4.5in / 11.4cm depth

### Package Includes

- AL-84052 ISO Metered PDU with Surge Suppression
- Owner's manual with warranty information

### Description

Metered PDU / Power Distribution Unit with Isobar Surge Suppression offers real-time local reporting of load level in amps, plus premium ISOBAR network-grade AC surge and noise suppression. Digital display continuously reports PDU output current to prevent circuit overloads as additional equipment is added. Set of 3 front-panel LEDs provide notification of wiring fault, protection present and line OK status. High quality design includes rugged all-metal housing and secure rackmount installation with included mounting accessories.

### Features

- 20A single phase 120V Metered Power Distribution Unit / PDU (Agency de-rated to 16A continuous)
- Built-in 2 digit visual meter continuously reports PDU load level in amps
- ISOBAR Network-grade AC surge and noise suppression with 3840 Joules AC suppression rating and EMI/RFI filtering
- Set of 3 diagnostic LEDs report LINE OK (green), suppressor or wiring FAULT (red) and PROTECTION PRESENT (green) status
- Compatible with 120V AC sine wave input; For best results, connect the PDU only to true sine wave mains, generator or UPS power source (avoid connecting this surge suppressor to UPS systems producing modified sine wave, PWM sine wave and other non-sinusoidal output waveforms)
- Attached NEMA L5-20P 20A 120V input plug with 15ft / 4.5m cord (NEMA 5-20P plug adapter included)
- 1U Horizontal rackmount format installs in one rack space
- Switchless design prevents accidental shut-off
- 12 NEMA 5-20R outlets (rear), 2 NEMA 5-15R outlets (front)
- Included mounting accessories support installation in 2 and 4 post racks, with additional support for wall-mount and under-counter installation formats
- Back panel grounding lug

# Specifications

<b>OVERVIEW</b>	
PDU Type	Metered
<b>OUTPUT</b>	
Output Capacity Details	2.03kW (127V), 1.92kW (120V), 1.6kW (100V) / 20A total capacity (Agency de-rated to 16A); 16A max per 5-15/20R outlet; 12A max per 5-15R outlet
Frequency Compatibility	50 / 60 Hz
Output Receptacles	(2) 5-15R; (12) 5-15/20R
Output Nominal Voltage	100; 120; 127
Overload Protection	20A circuit breaker
<b>INPUT</b>	
PDU Input Voltage	100; 120; 127
Recommended Electrical Service	20A 120V; For best results, connect the PDU only to true sine wave mains, generator or UPS power source (avoid connecting to UPS systems producing modified sine wave, PWM sine wave and other non-sinusoidal waveforms)
Maximum Input Amps	20
Maximum Input Amps Details	Agency de-rated to 16A continuous
PDU Plug Type	NEMA 5-20P; NEMA L5-20P
Input Cord Length (ft.)	15
Input Cord Length (m)	4.57
Input Phase	Single-Phase
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
Front Panel LCD Display	Two digit current meter reports PDU output load in amps
Front Panel LEDs	Set of 3 diagnostic LEDs continuously report status for LINE OK (green), suppressor or wiring FAULT (red) and PROTECTION PRESENT (green)
Switches	No power switch
<b>SURGE / NOISE SUPPRESSION</b>	
AC Suppression Joule Rating	3840
AC Suppression Response Time	NM = 0 ns. CM = <1 ns
Protection Modes	Includes full normal mode (H-N) and common mode (N-G / H-G) line surge suppression
Clamping Voltage (RMS)	140
AC Suppression Surge Current Rating	60,000 amps
EMI / RFI Filtering	40-80 dB
Immunity	Conforms to IEEE 587 / ANSI C62.41
<b>PHYSICAL</b>	
Minimum Required Rack Depth (inches)	9.5

Minimum Required Rack Depth (cm)	24.1
Shipping Dimensions (hwd / in.)	2.25 x 20.5 x 10
Shipping Dimensions (hwd / cm)	5.72 x 52.07 x 25.4
Shipping Weight (lbs.)	5.2
Shipping Weight (kg)	2.36
Unit Dimensions (hwd / in.)	1.75 x 17.5 x 4.5
Unit Dimensions (hwd / cm)	4.45 x 44.45 x 11.43
Unit Weight (lbs.)	4.6
Unit Weight (kg)	2.1
Material of Construction	Metal
Form Factors Supported	1U rackmount, 0U vertical rackmount, wall-mount, and under-counter installation
PDU Form Factor	Horizontal (1U, 2U, etc)
<b>ENVIRONMENTAL</b>	
Storage Temperature Range	+5 to +122F (-15 to 50C)
Relative Humidity	5 to 95% non-condensing
Operating Elevation (ft.)	0-10,000
Operating Elevation (m)	0-3000
<b>SPECIAL FEATURES</b>	
TVSS Grounding	Rear grounding lug
<b>CERTIFICATIONS</b>	
Certifications	Tested to UL1449 3rd Edition (USA) and CSA (Canada), RoHS Compliant
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	2-year limited warranty

