

EAT•N

Powerware

Vertical Power Controllers V42 and V70 Series



Enclosure Power Distribution Units (ePDU™)

“Design Your Own” part number guide



Option 1
 42 = 42" height with brackets
 70 = 70" height with brackets

Option 2
 B = Circuit breaker
 N = No Circuit breaker, extra outlets

Option 3
 A1 = 120V/15A input, 15A outlets
 A2 = 120V/20A input, 20A outlets
 AB = 100-240/20A input, C13 outlets, C19 outlet
 B1 = 240V/15A input, 15A outlets
 B2 = 240V/20A input, 20A outlets
 C1 = 120V/30A input, 15A outlets
 C2 = 120V/30A input, 20A outlets
 F1 = 240V/30A input, 15A outlets
 F2 = 240V/30A input, 20A outlets
 F3 = 240V/30A input, C13 outlets
 F4 = 240V/30A input, IEC 60320 C13 and C19 outlets
 G1 = 120/240V/30A input, 5-15Rs
 H1 = 120/240V/30A input, 6-15Rs
 J1 = 120/240V/30A input, 5-15/6-15Rs

Option 4
 F = Filter
 N = No Filter

Option 5
 S = Straight Blade Outlets
 L = Locking Outlets

Option 6
 S = Straight Blade Plug
 L = Locking Plug

Option 7
 0 = No Current Meter
 1 = Current Meter

Option 8
 09 = 9' Power Cable
 15 = 15' Power Cable
 0C = C20 inlet, no cable (AB version)









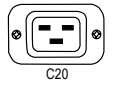





































Option 1: Chassis Size
 Choose either 42" tall or 70" tall. Both chassis styles are 2" wide by 1.89" deep. The 42" option is 38" tall without the mounting brackets attached and the 70" option is 66" tall without the mounting brackets attached. The 42" tall option has (12) NEMA style receptacles. The 42" F3 version has (16) IEC C13 receptacles and the F4 version has (8) IEC C13 receptacles and (2) IEC C19 receptacles. The 70" tall option has (24) NEMA style receptacles. The 70" AB version has (28) C13 receptacles and (1) C19 receptacle. The 70" F3 version has (32) IEC C13 receptacles and the F4 version has (24) IEC C13 receptacles and (2) IEC C19 receptacles. Mounting Standard: SUB-HRDWARE-017 attached.

Option 2: Circuit Breaker
 Choose either circuit breaker or no circuit breaker. Versions C1, C2, F1, F2, F3, F4, G1, H1, J1 require circuit breakers per UL and NEC. Version without circuit breakers have 4 additional receptacles.

Option 3: Voltage and Current Configuration

The following chart shows the available input/output voltage and current configurations. Most options have a choice of straight blade or twist lock connectors. This selection is made in options 3 and 4.

V42 & V70 Series Version	Voltage/Current Input/Output	Circuit Breakers	Input Connectors		Output Connectors		
			Straight Blade	Twist Lock	Straight Blade	Twist Lock	
A1	120V/15A 12A Output	1 pole 15A	 5-15P	 L5-15P	 5-15R	 L5-15R	
A2	120V/20A 16A Output	1 pole 20A	 5-20P	 L5-20P	 5-20R	 L5-15R *	
AB	100-240V/20A 16A Output	2 pole 20A	 C20	NA	 C13	NA	
B1	240V/15A 12A Output	2 pole 15A	 6-15P	 L6-15P	 6-15R	 L6-15R	
B2	240V/20A 16A Output	2 pole 20A	 6-20P	 L6-20P	 6-20R	 L6-15R *	
C1	120V/30A 24A Output	2 pole 15A UL489	NA	 L5-30P	 5-15R	 L5-15R	
C2	120V/30A 24A Output	2 pole 20A UL489	NA	 L5-30P	 5-20R	NA	
F1	240V/30A 24A Output UL489	(2) 2 pole 15A	NA	 L6-30P	 6-15R	 L6-15R	
F2	240V/30A 24A Output UL489	(2) 2 pole 20A	NA	 L6-30P	 6-20R	NA	
F3	240V/30A 24A Output UL489	(2) 2 pole 15A	NA	 L6-30P	 C13	NA	
F4	240V/30A 24A Output UL489	(2) 2 pole 15A	NA	 L6-30P	 C13	 C19	
G1	120/240V/30A 24A Output UL489	(2) 2 pole 15A	NA	 L14-30P	 5-15R	 L5-15R	
H1	120/240V/30A 24A Output UL489	(2) 2 pole 15A	NA	 L14-30P	 6-15R	 L6-15R	
J1	120/240V/30A 24A Output UL489	(2) 2 pole 15A	NA	 L14-30P	 5-15R	 L5-15R	
						 6-15R	 L6-15R

*20 amp twist lock outlets are not available to fit a standard duplex opening, so 15 amp outlets are used in these versions.

Option 4: EMI/RFI Filtering

Choose "N" for no filtering or "F" for filtering. See below for filtering specifications.

Option 5: Receptacle Type

Choose either straight blade or twist lock style receptacles. See the table in Option 1 for a view of the available receptacles. The receptacles are referred to by their NEMA designation number.

Option 6: Plug Type

Choose either straight blade or twist lock style plug. See the table in Option 1 for a view of the available plug styles. The plug is referred to by the NEMA designation number. Verify you have the correct type of mating receptacle available at your facility. Plug types limit the available voltage and current options.

Option 7: Current Meter

This unit is available with or without a front panel digital current reference meter. This two-segment current reference meter will display the current value of the connected load. (The meter is an AC averaging meter.) This allows you to properly load your Power Distribution Unit to avoid an overload situation. This can also be used for monitoring to detect a fault before it occurs. The display shows two digits with no decimal place. The meter is accurate to +/- 1 amp with 1 amp resolution. **The current meter option is not available on the following versions: G1 and J1**



Option 8: Power Cable Length

The power distribution unit has either SO, SOOW or SJT type power cable. The length can be specified as 9 feet or 15 feet. The maximum length allowed by UL standards for an attached power cable is 15 feet. For permanent installations exceeding 15 feet, a licensed electrician should install a permanent circuit. Extension cords should only be used for temporary installations. The AB version comes with an IEC C20 power inlet. The power cable must be ordered separately for this version. **See options below.**

010-9334:
C19 to NEMA 5-15P
125V, 15A Straight Blade
8 foot, 14AWG/3wire



010-9335:
C19 to NEMA 5-20P
125V, 20A Straight Blade
8 foot, 12AWG/3wire



010-9339:
C19 to NEMA L5-20P
125V, 20A Twist-Lock
8 foot, 12AWG/3wire



010-9341:
C19 to NEMA L6-20P
250V, 20A Twist-Lock
8 foot, 12AWG/3wire



010-9343:
CEE7-7 to C19
250V, 16A EUROPE (Schuko)
2.5M, 1.5mm/3wire Harmonized



010-0025: 8 foot
C13 to C14 Harmonized, 1mm/3wire
100-240V rated



EMI/RFI FILTERING COMMON MODE INSERTION LOSS						
Mhz.	.15	.50	1.0	5.0	10.0	30.0
dB.	6	19	28	42	45	50

DIFFERENTIAL INSERTION LOSS						
Mhz.	.15	.50	1.0	5.0	10.0	30.0
dB.	2	40	60	65	57	55

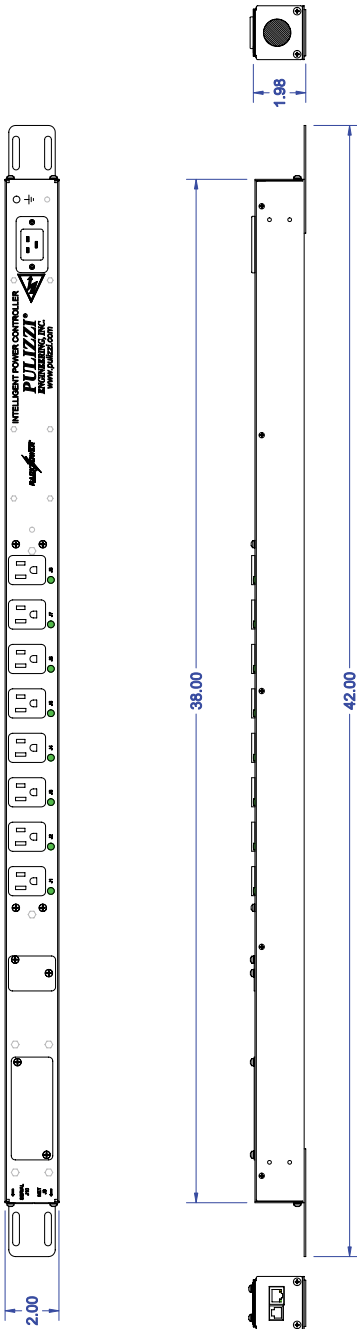
EMI/RFI FILTERING COMMON MODE INSERTION LOSS						
Mhz.	.15	.50	1.0	5.0	10.0	30.0
dB.	6	19	28	42	45	50

DIFFERENTIAL INSERTION LOSS						
Mhz.	.15	.50	1.0	5.0	10.0	30.0
dB.	6	6	30	50	30	30

Environmental

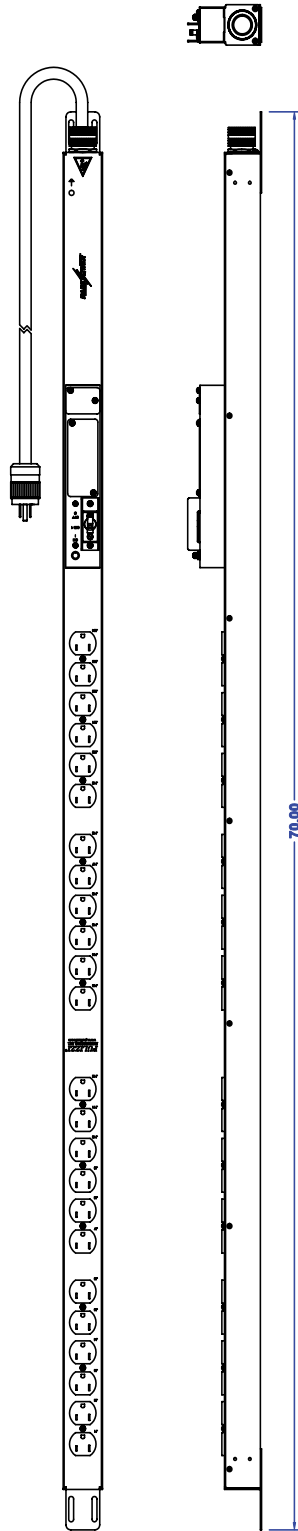
Operating Temperature is 0 to 50 C
Storage Temperature is -40 to 70 C
Altitude Maximum 10,000 ft.
Relative Humidity is 95% Max Non-Condensing

Drawings are not shown to scale
Dimensions are in inches



V42

1:2 SCALE



1:1 SCALE

V70

