

Size Matters: Especially for Backup Power

When the lights go out, your backup power system becomes your lifeline. But here's the catch—if your Uninterruptible Power Supply (UPS) isn't sized correctly, it may fail when you need it most. Too small, and it overloads instantly. Too large, and you've wasted budget on unused capacity.

The good news? There are powerful free tools available to take the guesswork out of sizing backup power systems. Whether you're protecting a home office, network closet, or enterprise infrastructure, the right tools can help you design a reliable and cost-effective solution.

- **WHY PROPER UPS SIZING MATTERS**

- Proper UPS sizing ensures your equipment stays powered during outages, you have enough runtime to safely shut down or switch to a generator, you avoid overload conditions that can instantly shut down your UPS, and it allows you to optimize cost without overspending.
- Sizing comes down to three key factors:
 - Total connected load (Watts/VA)
 - Required runtime (minutes or hours)
 - Battery capacity and system efficiency

- **DEDICATED ONLINE SIZING TOOL**

- The easiest and most accurate way to size a UPS is by using a free online sizing tool like www.SizeMyUPS.com.
 - Built-in equipment databases (computers, networking, security, etc.)
 - Ability to select exact device models and quantities or use general system averages
 - Automatic load calculation (Watts, VA, Amps)
 - Filters for runtime, voltage, and UPS type
 - Recommendations tailored to your actual system
- Simply build your system by selecting your devices, and the platform calculates the total load and recommends the right UPS.
- This removes manual math and dramatically reduces the risk of undersizing or oversizing, though the accuracy depends entirely on the data you input.



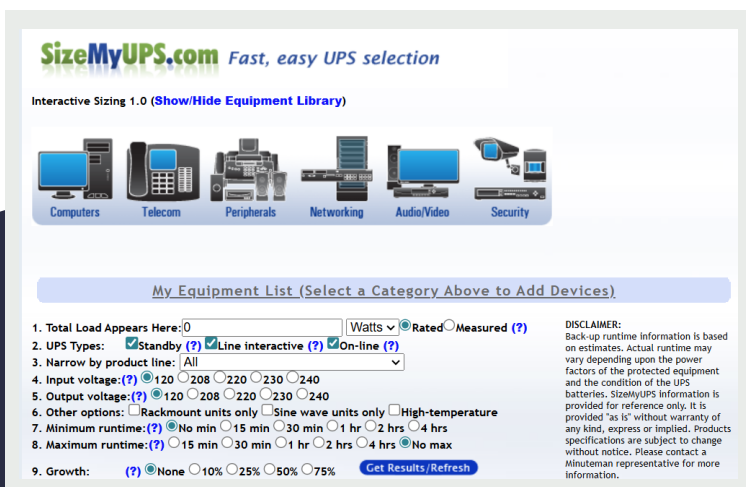
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• MANUFACTURER SIZING GUIDES & CONFIGURATIONS

- Many UPS manufacturers provide their own sizing tools and guides. These often include:
 - Product-specific recommendations
 - Runtime charts based on load
 - Compatibility with specific UPS models
 - Guidance on UPS topology (standby, line-interactive, online)
- They're particularly useful when you've already chosen a brand and want to stay within its ecosystem.

• BEST PRACTICE: COMBINE TOOLS FOR MAXIMUM ACCURACY

- No single tool tells the whole story. The best approach is a combination:
 - Measure your actual load (if possible)
 - Use a calculator for quick validation
 - Use dedicated tools like www.SizeMyUPS.com and www.SizeMyPDU.com for final selection
- This layered approach ensures:
 - Accuracy
 - Reliability
 - Cost efficiency



SizeMyUPS.com Fast, easy UPS selection

Interactive Sizing 1.0 (Show/Hide Equipment Library)

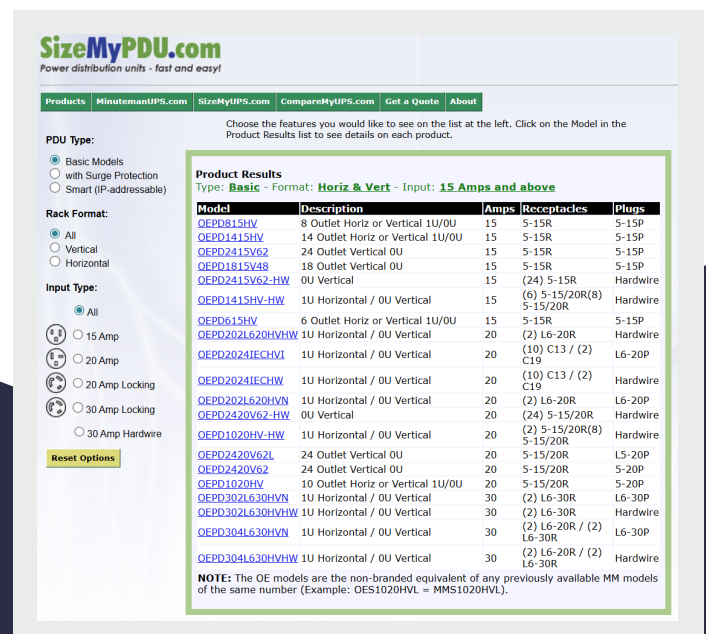
Computers | Telecom | Peripherals | Networking | Audio/Video | Security

My Equipment List (Select a Category Above to Add Devices)

- Total Load Appears Here: Watts Rated Measured (?)
- UPS Types: Standby (?) Line interactive (?) On-line (?)
- Narrow by product line: All
- Input voltage: (?) 120 208 220 230 240
- Output voltage: (?) 120 208 220 230 240
- Other options: Rackmount units only Sine wave units only High-temperature
- Minimum runtime: (?) No min 15 min 30 min 1 hr 2 hrs 4 hrs
- Maximum runtime: (?) 15 min 30 min 1 hr 2 hrs 4 hrs No max
- Growth: (?) None 10% 25% 50% 75%

[Get Results/Refresh](#)

DISCLAIMER: Back-up runtime information is based on estimates. Actual runtime may vary depending upon the power factors of the protected equipment and the condition of the UPS batteries. SizeMyUPS information is provided for reference only. It is provided "as is" without warranty of any kind, express or implied. Products specifications are subject to change without notice. Please contact a Minuteman representative for more information.



SizeMyPDU.com
Power distribution units - fast and easy!

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Choose the features you would like to see on the list at the left. Click on the Model in the Product Results list to see details on each product.

PDU Type:
 Basic Models
 with Surge Protection
 Smart (IP-addressable)

Rack Format:
 All
 Vertical
 Horizontal

Input Type:
 All
 15 Amp
 20 Amp
 20 Amp Locking
 30 Amp Locking
 30 Amp Hardwire

[Reset Options](#)

Product Results
 Type: Basic - Format: Horiz & Vert - Input: 15 Amps and above

Model	Description	Amps	Receptacles	Plugs
OEPD815HV	8 Outlet Horiz or Vertical 1U/0U	15	5-15R	5-15P
OEPD1415HV	14 Outlet Horiz or Vertical 1U/0U	15	5-15R	5-15P
OEPD2415V62	24 Outlet Vertical 0U	15	5-15R	5-15P
OEPD1815V48	18 Outlet Vertical 0U	15	5-15R	5-15P
OEPD2415V62-HW	0U Vertical	15	(24) 5-15R	Hardwire
OEPD1415HV-HW	1U Horizontal / 0U Vertical	15	(6) 5-15/20R(8) 5-15/20R	Hardwire
OEPD615HV	6 Outlet Horiz or Vertical 1U/0U	15	5-15R	5-15P
OEPD20L620HVHW	1U Horizontal / 0U Vertical	20	(2) L6-20R	Hardwire
OEPD2024IECHVT	1U Horizontal / 0U Vertical	20	(10) C13 / (2) C19	L6-20P
OEPD2024IECHVT	1U Horizontal / 0U Vertical	20	(10) C13 / (2) C19	Hardwire
OEPD20L620HV	1U Horizontal / 0U Vertical	20	(2) L6-20R	L6-20P
OEPD2420V62-HW	0U Vertical	20	(24) 5-15/20R(8) 5-15/20R	Hardwire
OEPD1020HV-HW	1U Horizontal / 0U Vertical	20	(2) 5-15/20R(8) 5-15/20R	Hardwire
OEPD2420V62L	24 Outlet Vertical 0U	20	5-15/20R	L5-20P
OEPD2420V62	24 Outlet Vertical 0U	20	5-15/20R	5-20P
OEPD1020HV	10 Outlet Horiz or Vertical 1U/0U	20	5-15/20R	5-20P
OEPD30L630HV	1U Horizontal / 0U Vertical	30	(2) L6-30R	L6-30P
OEPD30L630HVHW	1U Horizontal / 0U Vertical	30	(2) L6-30R	Hardwire
OEPD30L630HV	1U Horizontal / 0U Vertical	30	(2) L6-20R / (2) L6-30R	L6-30P
OEPD30L630HVHW	1U Horizontal / 0U Vertical	30	(2) L6-20R / (2) L6-30R	Hardwire

NOTE: The OE models are the non-branded equivalent of any previously available MM models of the same number (Example: OES1020HVL = MMS1020HVL).