



Rackmount PDU Surge Protector

Paperless Datasheet

Going green and protecting environment is manufacturers' responsibility. Each WatchfulEyE product has a link of downloading data sheet on its enclosure:
<http://datasheet.watchfuleyesolutions.com/OE121052.html>

Main Feature

Model	Ordering Code	Module Combination Pattern and Length		
PDU1609443217 (WTH-CS/PDU)	OE121052	http://pdu.watchfuleyesolutions.com/view/PDU1609443217.html		
Nominal Operating Voltage - Page 02 -	125VAC		230VAC	
PDU Housing - Page 11 -	1U, 19 inch	0U (44.5mm x 89mm x length)	0U (66mm x 66mm x length)	
	✓			
Surge Protection Module - Page 03 -	-FSG, -FS		-SG, -S	
Grounding Lug Location - Page 04 -	Top side	Bottom side	Back side	Without grounding lug
			✓	
Power Input - Page 07 -	Power Cord		IEC320 C14	IEC320 C20
				✓
Input Power Cord Length - Page 08 -	14AWG x 10ft (NEMA 5-15P)		Without power cord	3 x 2.5mm² or Other
			✓	



This is a DISPLAY SAMPLE for electrical engineering designers only. You will see more customize features on this sample. DO NOT use it in practical application.



Rackmount PDU Surge Protector

Description

WatchfulEyE Power Distribution Unit offers reliable full surge protection modes to protect your facility against surge. The PDU provides real-time reporting of protection status via three indicators.

The modular design allows you to customize plug-in module combination based on your needs, thus can maximize the flexibility in use and be easily maintained. Easy installation from different directions.

UC: 150V Surge Protection Module

Nominal operating voltage (Un)	125VAC 50/60Hz
Max. continuous operating voltage (MCOV)	150VAC
Voltage protection level (Up)	1.0kV

UC: 275V Surge Protection Module

Nominal operating voltage (Un)	230VAC 50/60Hz
Max. continuous operating voltage (MCOV)	275VAC
Voltage protection level (Up)	1.2kV

More Technical Data

Nominal Discharge Current (In)	5kA
Max. Discharge Current (Imax)	10kA
Open circuit voltage (Uoc)	15KV
Surge Protection Modes	L-PE, N-PE, L-N
Protective Element	MOV+GDT
Response Time (tA)	<5ns
Leakage Current (at 75%U1mA)	<20μA
Thermal Protection	Rated Functioning Temp. (Tf) 277°F (136°C)
Surge Protection Back-up Fuse	15A gL
Surge Life at 3kA (8/20μs)	>5000 events
Temperature Range	- 40° to 176°F (-40° to 80°C)
Relative Humidity	0% to 95% noncondensing
Maximum Operating Altitude	10,000 feet (3000m)

Certificates of Products





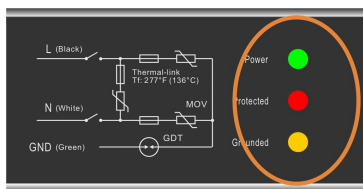

Note: surge protection module UL listed pending



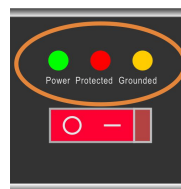
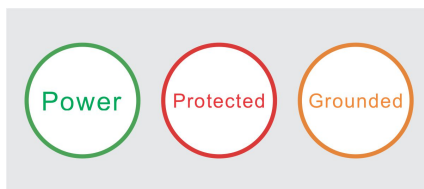
Rackmount PDU Surge Protector

Surge Protection Module

Superior surge protection features, Surge Protection Modules provide reliable surge protection in full protection modes with three indicators for real-time display to protect your equipment and facility from surges and damages.



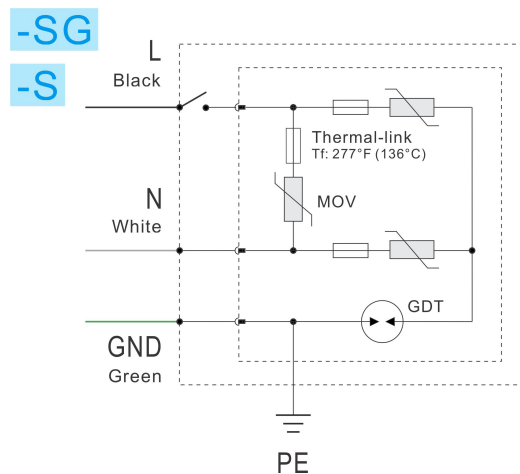
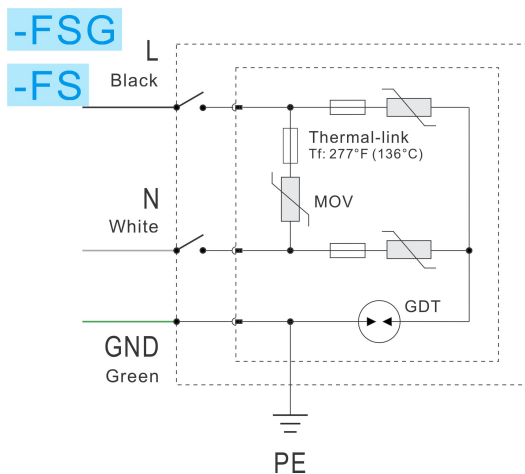
(-FSG, -FS)



(-SG, -S)

- Power** Green LED power indication: surge protection module is working
- Protected** Red LED surge protection indication: protected: on; failure: off
- Grounded** Orange LED grounded indication: grounded: on; failure: off

Surge Protection Connection Diagram

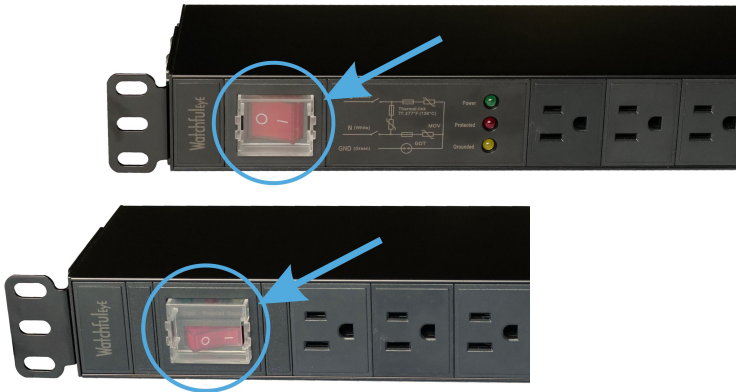




Rackmount PDU Surge Protector

Circuit Breaker

The power switch is designed to concave to the surface to prevent the cable from accidentally disconnected. The power switch protection cover provides enhanced security.



Independent Grounding Lug (Back Side)



Independent Grounding Lug (Bottom Side)

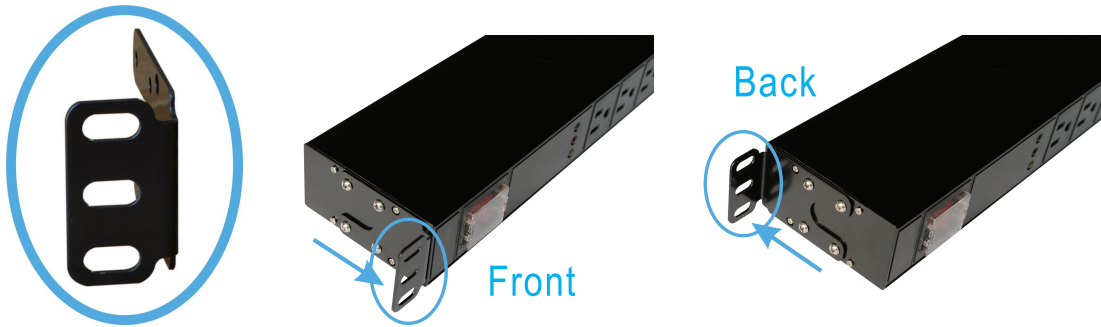




Rackmount PDU Surge Protector

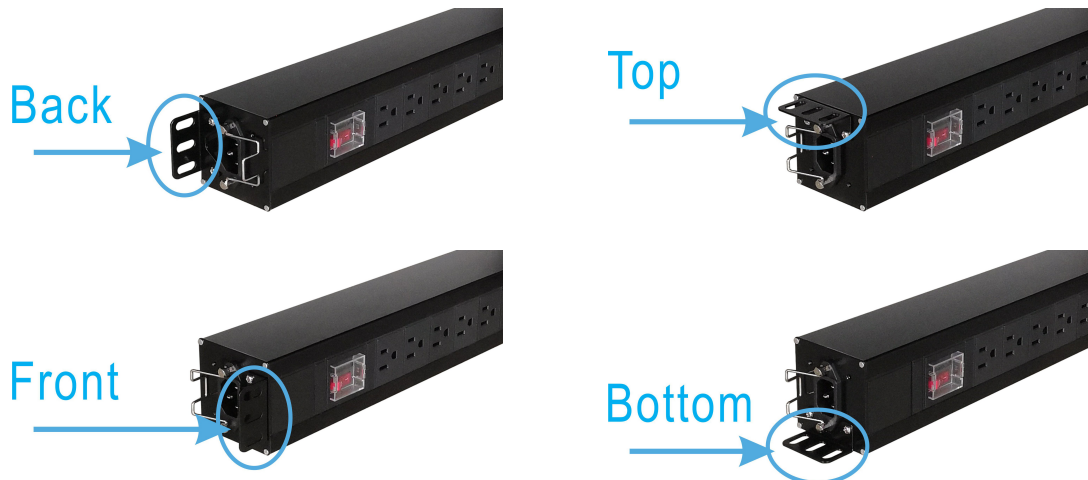
1U PDU Mounting Ears

Detachable mounting ears, reversible ears faces front or back in PDU



0U PDU Mounting Ears

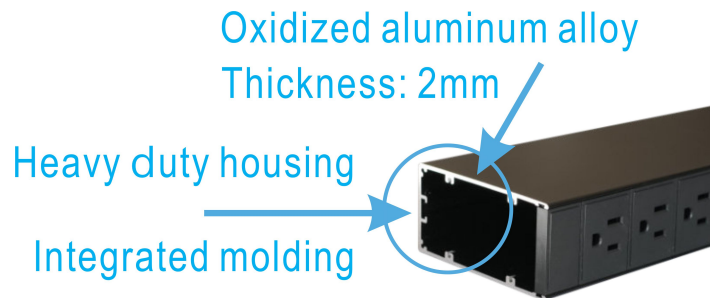
The mounting ears for 0U PDU can be rotated for four direction mount.





Rackmount PDU Surge Protector

Heavy Duty Housing



Rack Mount Screw Kit



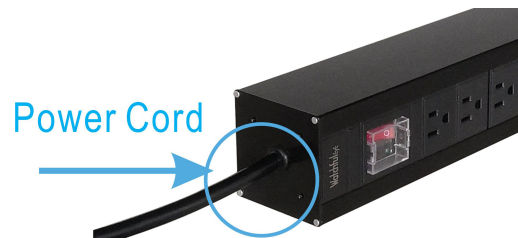
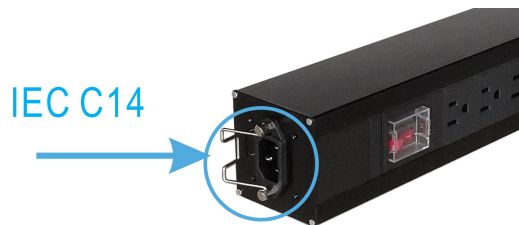
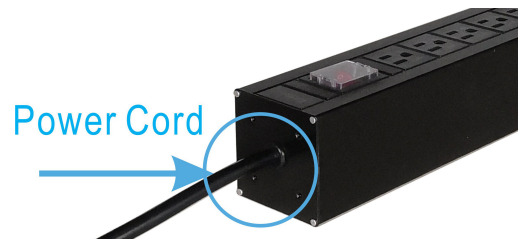
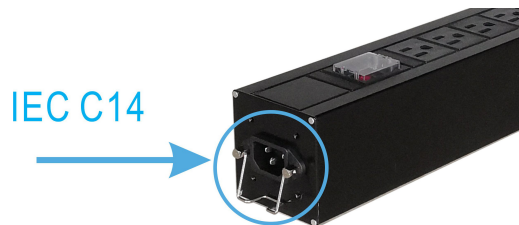


Rackmount PDU Surge Protector

1U PDU Power Cord



0U PDU has two options of input methods: IEC C14 or a power cord



1U/0U PDU IEC320 C20





Rackmount PDU Surge Protector

Input Power Cord

Input Type: NEMA 5-15P

Max Input Amps: 15A

Input Cord Length: 14AWG x 10ft (3x2.08mm² x 3.05m)



Input - Output Type: IEC 320-C13 to C14

Max Input Amps: 10A

Input Cord Length: 16AWG x 6ft (3x1.31mm² x 2m)



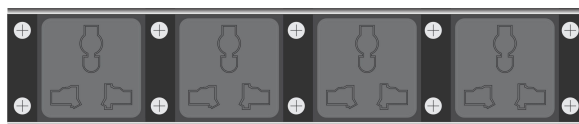
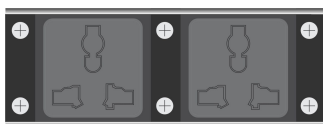
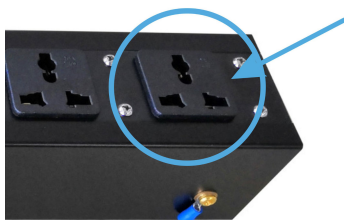
Power Cord Plug Type (Optional)





Rackmount PDU Surge Protector

Universal Outlets Module



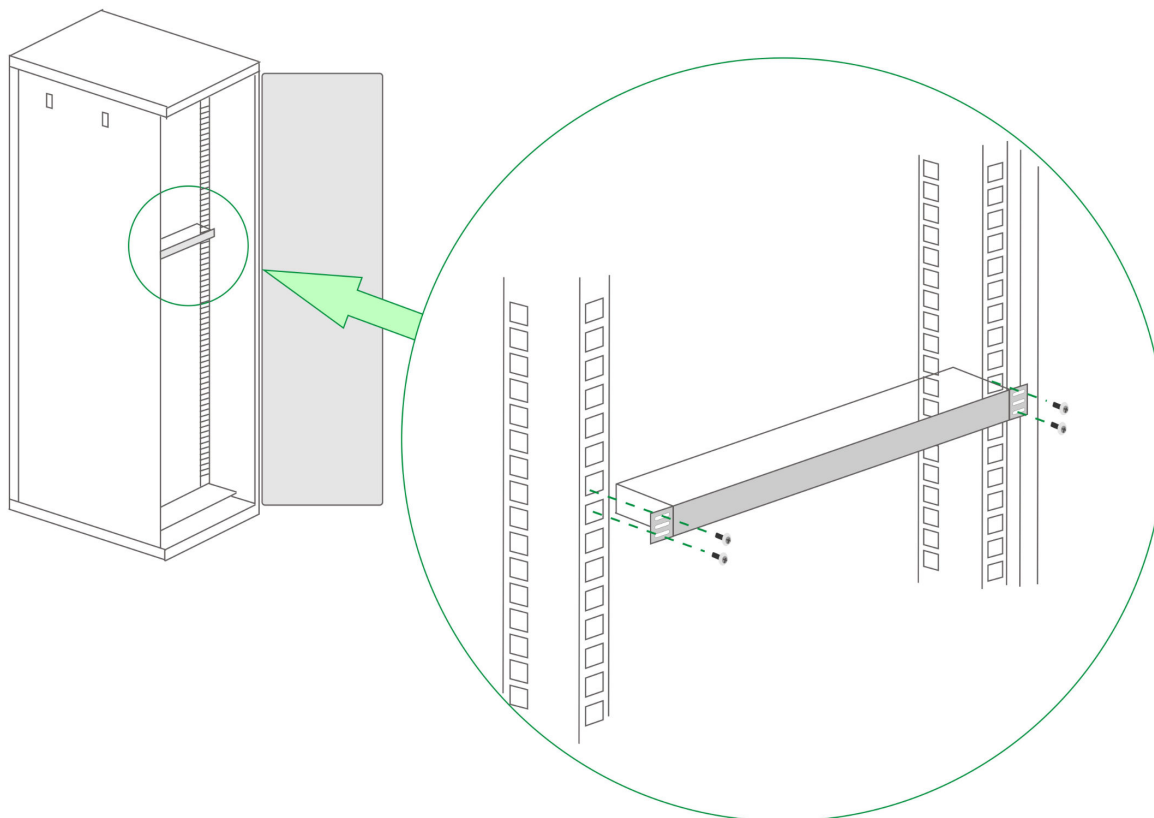
Circuit-breaker Module





Rackmount PDU Surge Protector

19-inch Rack Mounted



Installation Instruction

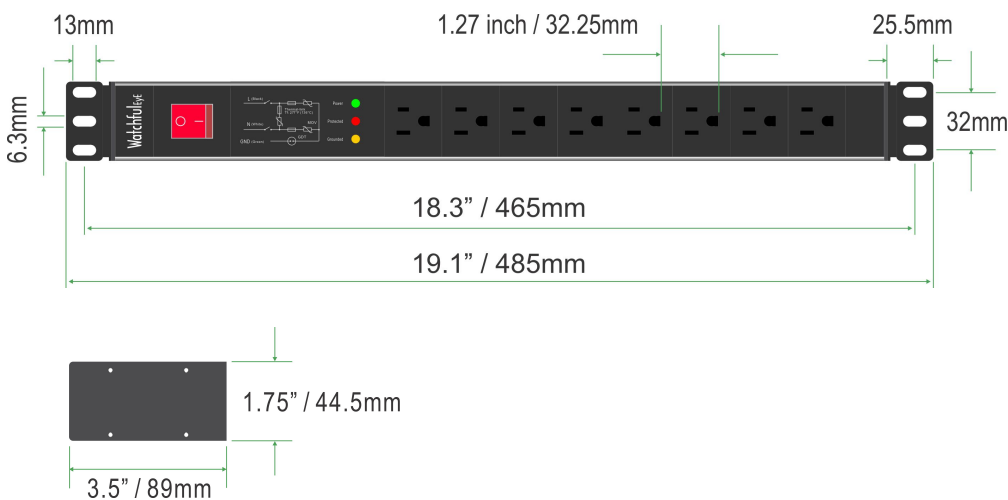
The PDU surge protectors shall be employed in a Listed enclosure or closet that is only accessible to technicians or service personnels.



Rackmount PDU Surge Protector

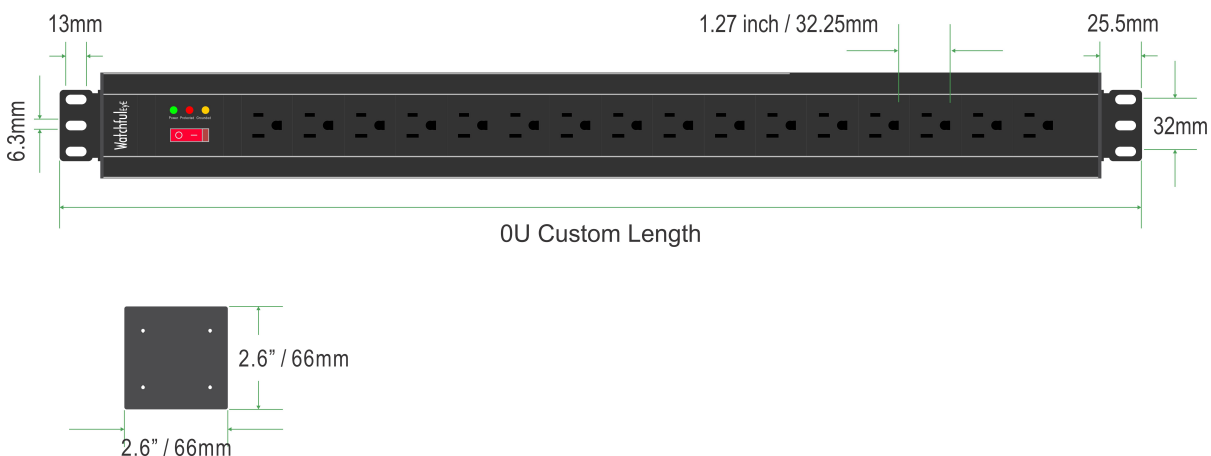
Dimension of 1U PDU

Perfect structural design, 19 inch Rack mount, height: 1U (1.75 inch / 44.5mm), depth: 3.5 inch / 89mm



Dimension of 0U (custom length) PDU

Perfect structural design, 0U: custom length, height: 2.6 inch / 66mm, depth: 2.6 inch / 66mm





Rackmount PDU Surge Protector

FAQ & Help

1. What should I do if I can't find the paper manual in the product packaging?

Watchful Eye products is committed to going green with paperless data sheets. On the rear side of each product enclosure is an engraved link with URL for downloading paperless data sheet and QR code of the website. If you need the paper data sheet, you can open the link and print the data sheet by yourself.



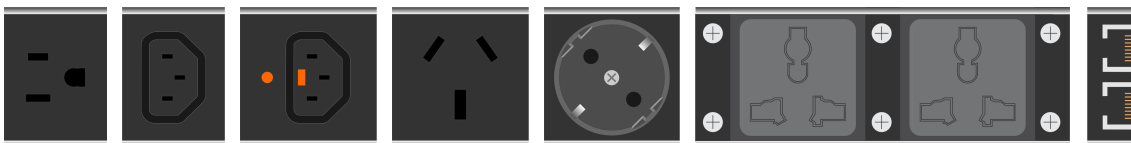
2. Is there an overall view of the PDU?

The following is a photo of PDU (WTH-CS/PDU).



3. How can I customize other products of 19" rack?

In addition to 19-inch Rack Power Distribution Unit (PDU), there is 19-inch Rack Ethernet Surge Protector. Modular design allows you to customize the plug-in modules to fit your needs, 19-inch standard dimension or other custom-sized dimensions maximize the ease of use and maintenance.



Click the blue button "Customize your PDU" to start

[Customize your PDU](#)



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Download WatchfulEye Official App

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After-sale Services

Watchful Eye provides a 5-year quality warranty globally.

[I have a question](#)