

Medical Grade Power Strips

For use in Patient Care Areas
of Health Care Facilities

Conforms to UL 60601-1,
UL 60950-1 and UL 1363A



Leviton's family of medical-grade power strips are designed explicitly for use in health care facilities, including patient care areas as defined by NEC (2011) Article 517. These devices also satisfy electrical safety requirements specified in NFPA 99 (2012): Health Care Facilities Code, allowing facility managers to ensure that their facilities are compliant with this safety regulation.

Features & Benefits:

- Available in 2, 4 and 6 outlet configurations
- Choice of 7' or 15' AC power cord with molded right-angle hospital grade plug
- All outlets are hospital grade, ensuring dependable performance
- Surge-protective models are UL 1449 3rd edition compliant, providing the ultimate protection against voltage surges that can damage or diminish the performance of sensitive electronic equipment
- Heavy duty steel construction withstands the rigors of demanding environments
- Built-in overload protection shuts off the strip in case of excess power draw, and can be returned to service with the simple push of a button
- UL 60601-1, UL 1363A, and UL 60950-1 compliant to meet all major safety regulations required for health care facilities
- Easily accommodates surface mounting
- NAFTA Compliant
- Flying leads available on cords up to 15' long
- Locking safety covers are splash-resistant and protect from incidental contact with unused outlets
- Indicator lights provide visual confirmation of power and surge protection (where applicable)
- For surge protective strips, optional audible alarm for protection status available (special order – contact Leviton sales representative for details)
- LIMITED LIFETIME WARRANTY

Patient Care Areas

As defined in NFPA 99 - 2012 Edition

Patient Care Vicinity

(Depicted at right) A space, within a location intended for examination and treatment of patients, extending 6 feet (1.8 m) beyond the normal location of the bed, chair, table, treadmill, or other device that supports the patient during examination and treatment and extending vertically 7.5 feet (2.3 m) above the floor.

Patient Care Room

Any room of a health care facility wherein patients are intended to be examined or treated.

Patient Care Rooms can be divided into several categories:

■ Basic Care Room

Room in which failure of equipment or a system is not likely to cause injury or death of patients or caregivers. This includes examination or treatment rooms in clinics, medical and dental offices, nursing homes, and limited care facilities.

■ General Care Room

Room in which failure of equipment or a system is likely to cause minor injury or death of patients or caregivers. This includes inpatient bedrooms, dialysis rooms, procedural rooms, and similar rooms.

■ Critical Care Room

Room in which failure of equipment or a system is likely to cause major injury or death of patients or caregivers. This includes rooms where patients are typically intended to be subjected to invasive procedures and are connected to line-operated, patient care related appliances. Examples are intensive care or critical care rooms, operating rooms, delivery rooms, trauma rooms and similar rooms.

■ Support Room

Room in which failure of equipment or a system is not likely to have a physical impact on patients or caregivers. This includes waiting rooms, utility rooms, laboratories, morgues and similar rooms.

7.5' Height

6' Perimeter



Leviton's Medical Grade Strips may be used in ALL types of Patient Care Rooms, both within and beyond the Patient Care Vicinity.



meter

What is a Medical Grade Power Strip?

It is a power strip for use with medical equipment and with medical approval under the UL guidelines. They are intended for use inside Patient Care Areas and specifically within the 6 foot perimeter of the patient, known as the Patient Care Vicinity. Medical Grade Power Strips must meet the following criteria:

- Approval to one or more of the following safety standards: UL 60601-1, IEC 60601-1-1, EN 60601-1, CAN/CSA C22.2 No.601-1-M90, CAN/CSA C22.2 No.601.1S1-94, and CAN/CSA C22.2 No.601.1B-98
- Contain splash-resistant outlet covers that can only be opened with the use of tools (for patient safety), as required by UL to prevent the inadvertent connection of equipment with standard plugs by unqualified personnel
- Verify that leakage current and other critical specifications meet medical standards; if there are no leakage-current specifications, the strips may not be approved for medical use

Medical Grade Power Strips should NOT be confused with power strips that simply contain hospital grade plugs and receptacles. However, those types of strips may be used outside of Patient Care Areas within a health care facility.

Leviton's Medical Grade Power Strips conform to the guidelines and specifications prescribed in all applicable Codes & Standards, including the provisions within UL 60601-1 that require specific performance within the Patient Care Vicinity.



Applicable Codes & Standards

NFPA 99 – Health Care Facilities Code

Establishes criteria for levels of health care services or systems based on risk to the patients, staff, or visitors in health care facilities to minimize the hazards of fire, explosion, and electricity. Requirements address installation, inspection, testing, maintenance, performance, and safe practices for facilities, material, equipment, and appliances.

NFPA 70 (National Electric Code) Article 517 – Health Care Facilities

The provisions of this article shall apply to electrical construction and installation criteria in health care facilities that provide services to human beings. The requirements not only apply to single-function buildings but are also intended to be individually applied to their respective forms of occupancy within a multifunction building.

UL 60601-1 – Medical Electrical Equipment, Part 1: General Requirements for Safety

Specifies general requirements for the safety of MEDICAL ELECTRICAL EQUIPMENT and to serve as the basis for the safety requirements of Particular Standards.

UL 60950-1 – Information Technology Equipment – Safety, Part 1: General Requirements

Specifies requirements intended to reduce risks of fire, electric shock or injury for the OPERATOR and layman who may come into contact with the equipment and, where specifically stated, for SERVICE PERSONNEL.

UL 1363A – Special Purpose Relocatable Power Taps

These requirements cover Special Purpose Relocatable Power Taps intended for indoor use only, with medical equipment, where the medical equipment is intended to be used in General Patient Care Areas or Critical Patient Care Areas as defined by Article 517 of the National Electrical Code for Health Care Facilities, to supply power to plug-connected components of a movable equipment assemblies that is rack-, table-, or pedestal-mounted.

UL 1449 3rd Edition – Surge Protective Devices

These requirements cover Surge Protective Devices designed for repeated limiting of transient voltage surges as specified in the standard on 50 or 60 Hz power circuits not exceeding 1000 V.

Specifications

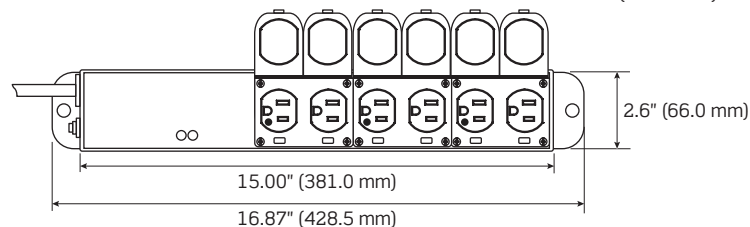
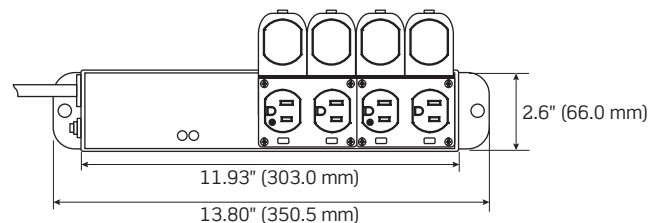
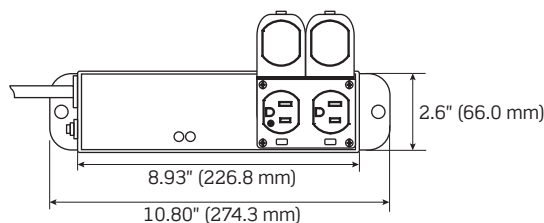
Medical Grade Power Strips		
Catalog Number	5302M-1N7	5302M-2N7
	5304M-1N7	5304M-2N7
	5306M-1N7	5306M-2N7
	5302M-1N5	5302M-2N5
	5304M-1N5	5304M-2N5
	5306M-1N5	5306M-2N5
Electrical Specifications		
Current	15A (12A max continuous load)	20A (16A max continuous load)
Voltage	125V	125V
Frequency	60Hz	60Hz
Performance Data		
Maximum Leakage Current	<100µA	
Material Specifications		
Line Cord	#14/3 SJT	#12/3 SJT
Enclosure	Powder Coated Steel (18ga)*	
Outlet Covers	Polypropylene	
Mechanical Specifications		
HG Plug Configuration	NEMA 5-15P	NEMA 5-20P
HG Outlet Configuration	NEMA 5-15R	NEMA 5-20R
Environmental Specifications		
Operating Temperature	0°C to +40°C	
Storage Temperature	-10°C to +50°C	
Standards and Certifications		
UL/ CSA/ NOM	ETL listed to: UL 60601-1/ C22.2 No. 60601-1 UL 60950-1/ C22.2 No. 60950-1 UL 1363A/ C22.2 No. 21	
NFPA	NFPA 99 2012 ed	
Warranty		
Product Warranty	Limited Lifetime	

* Chromium-free paint - is also RoHS compliant

Surge Protective Medical Grade Power Strips		
Catalog Number	5302M-1S7	5302M-2S7
	5304M-1S7	5304M-2S7
	5306M-1S7	5306M-2S7
	5302M-1S5	5302M-2S5
	5304M-1S5	5304M-2S5
	5306M-1S5	5306M-2S5
Electrical Specifications		
Current	15A (12A max continuous load)	20A (16A max continuous load)
Voltage	125V	125V
Frequency	60Hz	60Hz
Surge Technology	MOV	MOV
Performance Data		
Voltage Protection Rating (VPR)	L-N	600V
	L-G	600V
	N-G	500V
Maximum Continuous Operating Voltage (MCOV)	150V	
Maximum Surge Current, Per Mode (L-N)	27kA	
Maximum Leakage Current	<100µA	
Noise Filtering	-6dB to -29dB (100kHz to 100MHz)	
Total Joules	644J	
Material Specifications		
Line Cord	#14/3 SJT	#12/3 SJT
Enclosure	Powder Coated Steel (18ga)*	
Outlet Covers	Polypropylene	
Mechanical Specifications		
HG Plug Configuration	NEMA 5-15P	NEMA 5-20P
HG Outlet Configuration	NEMA 5-15R	NEMA 5-20R
Environmental Specifications		
Operating Temperature	0°C to +40°C	
Storage Temperature	-10°C to +50°C	
Standards and Certifications		
UL/ CSA/ NOM	ETL listed to: UL 60601-1/ C22.2 No. 60601-1 UL 60950-1/ C22.2 No. 60950-1 UL 1363A/ C22.2 No. 21 UL 1449 3rd Ed/ C22.2 No.8	
NFPA	NFPA 99 2012 ed	
ANSI/IEEE	Category A	
Warranty		
Product Warranty	Limited Lifetime	

* Chromium-free paint - is also RoHS compliant

Dimensions



Ordering Information

Stock Configurations	Current Rating	AC Power Cord Length	Number of Outlets	Catalog Number
Surge Protective Medical Grade Power Strips	15A (12A max continuous load)	7 ft.	6	5306M-1S7
		15 ft.	4	5304M-1S5
			6	5306M-1S5
	20A (16A max continuous load)	7 ft.	6	5306M-2S7
		15 ft.	4	5304M-2S5
			6	5306M-2S5
Medical Grade Power Strips	15A (12A max continuous load)	7 ft.	4	5304M-1N7
			6	5306M-1N7
		15 ft.	4	5304M-1N5
	20A (16A max continuous load)	7 ft.	4	5304M-2N7
			6	5306M-2N7

Special Order Configurations*	Current Rating	AC Power Cord Length	Number of Outlets	Catalog Number
Surge Protective Medical Grade Power Strips	15A (12A max continuous load)	7 ft.	2	5302M-1S7
			4	5304M-1S7
		15 ft.	2	5302M-1S5
	20A (16A max continuous load)	7 ft.	2	5302M-2S7
			4	5304M-2S7
		15 ft.	2	5302M-2S5
Medical Grade Power Strips	15A (12A max continuous load)	7 ft.	2	5302M-1N7
		15 ft.	2	5302M-1N5
			6	5306M-1N5
	20A (16A max continuous load)	7 ft.	2	5302M-2N7
		15 ft.	2	5302M-2N5
			4	5304M-2N5
		6	5306M-2N5	

*Minimum quantities apply.

All items available with flying leads; surge-protective strips available with audible alarm as a special order – contact your Leviton sales representative for details.