Saving Energy Today

Smart Strip Power Strip Model Overviews

LCG & SCG series
The original--and by far the most popular—LCG & SCG Series Smart Strips were designed to simplify your electronic life and enormously cut down on your power expenses on certain electronic devices. They do it by sensing the current in one outlet, and smartly switching on or off the rest. Turn your TV on, and the LCGx Smart Strip turns everything else on with it. Have your computer hibernate, and everything else will shutdown the same second. Besides this, the LCG & SCG Smart Strips are an outstanding surge protector, which not only blocks out dangerous power surges but 'scrubs' your line power for smoother operation and longer life expectancy for anything plugged into it. As if this wasn't enough, its ergonomic design allows regular plugs to sit right next to large 'wall warts', while its 45'degree-angle flat plug resists damaging your wall or your furniture—or accidentally being unplugged. With its recessed power switch, it is next to impossible to switch off accidentally

LBG series
The 'B' in LBG Smart Strips stands for 'Brownout Protection.' It's equipped with a special control circuit that senses line voltage instead of current through a specific outlet. Brownouts can be VERY damaging to sensitive equipment such as Plasma TV's, home theater and other certain electronic devices. It is usually not something that a power strip will protect you from. The LBG *will* however protect you. It also protects you from standard power surges, and it too 'scrubs' your line power. And it comes with all of the other features of the LCG Series Smart Strip except the current sensing, Since brownout damage is specifically excluded from many types of warrantees, brownouts are more common than most people realize & will become even more common as we push the power grid beyond it intended capacity, this power strip *will* save you thousands of dollars when using it on vulnerable equipment.

SVG series
Most of today's portable electronics is designed to work on a large range of voltage from 100 VAC to 240 VAC. The problem is that all of these devices when purchased in the USA have a North American Plug. The SVG is the special-purpose power strip that provides surge protection when plugged into 110 VAC OR 220 VAC without tripping the breaker or burning up. However, a damaging surge will still be protected against. This makes the SVG ideal for international travel, since with one power strip and one worldwide socket adapter kit you can plug in & use all of you multi voltage gadgets. If you have ever traveled outside of the U.S., you might understand what an elegant solution this provides to a frustrating problem: the inability to use American standard power strips. In addition, it functions normally here in the States, so it is a useful addition to any wall socket, anywhere.

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Smart Strip Power Strip Energy

How much energy does it save?
The amount you save depends on your usage patterns and your computer. Tests conducted by an independent computer consulting company showed that the Smart Strip Power Strip can save enough energy to pay for itself in as little as six weeks. It also showed that it could save up to $20.00 per month on your electric bill. The average home office computer system we tested wasted the equivalent of a 60-watt lamp when the computer was turned off and all the computer peripherals were left on. In a standard office environment where the computers are left on 24/7, the Smart Strip Power Strip achieves a 73% energy savings.

ENERGY STAR studies show that if every home office replaced all their the computer equipment with an ENERGY STAR labeled computer equipment, it would save 219 billion pounds of greenhouse gases. While ENERGY STAR does not have a category for energy saving power strips, by using the Smart Strip Power Strip™ on your existing computer system, you will save more than just energy and greenhouse gases. You will be keeping more computers out of the landfills. In fact ENERGY STAR studies also show if there was no idle current drain on electronic devices in homes across the USA that 12 power plants would not be needed.

Does everything plugged into the Smart Strip Power Strip save energy? No, only devices that would normally be left on or draw an idle current even after they have been turned off. It will save energy on almost all computer peripherals and home entertainment products. Computers tend to have the greatest energy savings when used with the Smart Strip Power Strip.

How does the Smart Strip Power Strip save energy? It saves energy by electronically unplugging all of the devices that are plugged into the "Automatically Switched outlets" when the device plugged into the control outlet is turned off. This stops them from drawing any current without the need to turn them off or unplug them. Some devices still draw the same amount of power even when turned off; therefore using the smart strip or unplugging them is the only way to stop them from wasting power.

If...
...you leave everything on: By setting your computer to go into the sleep mode after 1 hour combined with the Smart Strip Power Strip in a standard office environment where the computers are left on 24/7, the result is a 73% energy savings on the power used by the office computer system.

<u>Typical Computer Energy Savings for offices</u>
24 hours x 7 days =168 hours per week total if left on 24/7.
9 hours x 5 days = 45 hours per week used, if shut off
168 hours total – 45 hours used = 123 hours of energy saved.
123 hours saved ÷ 168 hours total = 73% energy saved.

Average power used by a workstation while on = 260W/hour (as per Long Island Power Company)
Average power used while asleep = 30W/hour (While using a Smart Strip)

Average savings per hour = 230W
123 hours saved above x 4 weeks x 230 watts = 113KW saved monthly
113KW x # of computers = total KW per month saved
Total KW x price/KW = your monthly saving in $

...you leave just your peripherals on:

The public has a vast amount of computer peripherals available to them. Most computer systems now have at least a monitor, scanner, printer, DSL/Cable modem and a USB hub. While the computer is turned off, each peripheral still draws an idle current of 50 mA to 400 mA per hour. Multiply that by the number of peripherals you have, and the number of hours you leave them plugged in (usually 24 hours a day, 7 days a week), and you can see how that 'idle current' can really add up on your bill! Just a laser printer can be up to a 60-watt light that is on 24/7. Would you leave a 60W or greater lamp on 24 hours a day?

...you shut everything off:

If you shut everything off, you will enjoy the benefits of the Smart Strip even more.

1. No more waiting for the computer to turn off.
2. No more bending over to turn off your power strip.
3. All those peripherals that do not have a power switch can now also be easily turned off.
4. Did you know that all those plug in transformers have a leakage current? Even if the device that they are attached to is turned off, a transformer has a leakage current of 2-4 watts. The Smart Strip stops leakage current.

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BITS LIMITED

Consumer Products Division

LCGx Series Smart Strip Power Strips

Surge Protector Specifications:

- Recessed, lighted power switch
- Pat. Pending Combined ground & surge protector status indicator
- Red switched Outlet indicator
- 6-Foot 14 gauge heavy-duty power cord
- 45 degree angled space saver plug
- Wall Mountable in all 4 directions
- Ten outlets total
  - 1 Control outlet – always hot
  - 3 Constant hot outlets – 1 transformer
  - 6 Switched outlets – 3 transformer
- UL 1449 rating
- 120 Volt 50/60 Hz
- 2875 joules protection
  - 1325 joules live to neutral
  - 775 joules live to ground
  - 775 joules neutral to ground
- 84,000 amps, three-way Protection
  - 36,000 amps live to neutral
  - 24,000 amps live to ground
  - 24,000 amps neutral to ground
- 330 volt, three-way protection
- 15 amp circuit breaker
- 4 different fuses:
  - 2 Thermal & current fuses
  - 2 Trace land fuses
- Superior EMI/RFI filtering:
  - 2 Bar coil chokes
  - .1ufd film box capacitor
  - Up to 60db line noise reduction

Energy Saver Specifications:

- Ultra safe passive current sensor
- Patented protective hysteresis circuit
- 2 RC filters eliminate false switching
- Uses ZERO POWER when the switched outlets are off
- Uses less than 1 watt when fully energized

LCG4 & LCG5 Fax/Modem Specifications:

- Internal phone jack splitter provides two phone jacks for both modem and fax (LCG4 only)
- RJ45/RJ12 dual connectors for both PBX and standard phone systems
- Primary line surge protection
- 100% Compatible with both single-line and two-line phones
- Two ultra-fast sideactors protect against fast-rising high-voltage spikes
- 312 volt clamping
- Twin fuses to protect against long-duration voltage spikes
- 6-foot Phone Cord Included

LCG5 Coax Specifications:

- Fully shielded
- 0-1.2 GHz Frequency response
- 2 Gold plated F-connectors
- Works with all antenna, cable & satellite systems

Rev 4/25/07

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LBGx & LTGx Series Smart Strip Power Strips
Brownout & Time delayed Surge Protectors

Uses Voltage or time to switch outlets on/off. Does not use current or a control outlet. Please use the LCG & SCGx series for automatic control of your computer peripherals.

Surge Protector Specifications:

- Recessed, lighted power switch
- Pat. Pending Combined ground & surge protector status indicator
- 6-Foot 14 gauge heavy-duty power cord
- 45 degree angled space saver plug
- Wall Mountable in all 4 directions
- Ten outlets total
  - 1 Control outlet – always hot
  - 3 Constant hot outlets – 1 transformer
  - 6 Switched outlets – 3 transformer
- UL 1449 rating
- 120 Volt 50/60 Hz
- 2875 joules protection
  - 1000 joules live to neutral
  - 775 joules live to ground
  - 450 joules neutral to ground
- 84,000 amps, three-way Protection
  - 36,000 amps live to neutral
  - 24,000 amps live to ground
  - 24,000 amps neutral to ground
- 330 volt, three-way protection
- 15 amp circuit breaker
- 4 different fuses:
  - 2 Thermal & current fuses
  - 2 Trace land fuses
- Superior EMI/RFI filtering:
  - 2 Bar coil chokes
  - .1ufd film box capacitor
  - Up to 60db line noise reduction

LBGx Specifications:

- Adjustment range of 91 to 116 Volts AC
- Factory Preset to 105 Volts AC
- Manual or automatic reset available
- Patented protective hysteresis circuit
- 2 RC filters eliminate false switching
- Uses ZERO POWER when the switched outlets are off
- Uses less than 1 watt when the switched outlets are on

LTGx Specifications:

- Adjustment range of 1 to 60 seconds
- Factory preset to 20 seconds
- Patented protective hysteresis circuit
- 2 RC filters eliminate false switching
- Uses ZERO POWER when the switched outlets are off.
- Uses less than 1 watt when switched outlets are on.

LBG4 & LTG4 Fax/Modem Specifications:

- Internal phone jack splitter provides two phone jacks for both modem and fax
- RJ45/RJ12 dual connectors for both PBX and standard phone systems
- Primary line surge protection
- 100% Compatible with both single-line and two-line phones
- Two ultra-fast sideactors protect against fast-rising high-voltage spikes
- 312 volt clamping
- Twin fuses to protect against long-duration voltage spikes
- 6-foot Phone Cord Included

Rev 4/25/07

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SCGx Series Smart Strip Power Strips

SCG3, SCG4 & SCG5 Surge Protector Specifications:

- Recessed, lighted power switch
- Pat. Pending Combined ground & surge protector status indicator
- Switched outlet indicator
- 6-Foot 14 gauge heavy-duty power cord
- 45 degree angled space saver plug
- Wall Mountable in all 4 directions
- 7 outlets total
  - 1 Control outlet – always hot
  - 2 Constant hot outlets
  - 4 Switched outlets – 1 transformer
- UL 1449 rating
- 120 Volt 50/60 Hz
- 1225 joules protection
  - 775 joules live to neutral
  - 225 joules live to ground
  - 225 joules neutral to ground
- 48,000 amp three-way Protection
  - 24,000 amps live to neutral
  - 12,000 amps live to ground
  - 12,000 amps neutral to ground
- 330 volt, three-way protection
- 15 amp circuit breaker
- 4 different fuses:
  - 2 Thermal & current fuses
  - 2 Trace land fuses
- EMI/RFI filtering:
  - .1ufd film box capacitor
  - Up to 40db line noise reduction

SCG3, SCG4 & SCG5 Energy Saver Specifications:

- Ultra safe passive current sensor
- Patented protective hysteresis circuit
- 2 RC filters eliminate false switching
- Uses ZERO POWER when the switched outlets are off
- Uses less than 1 watt when fully energized

SCG4 Fax / Modem Specifications:

- RJ12 connectors for standard phones
- Primary line surge protection
- 100% Compatible with both single-line and two-line phones
- Two ultra-fast sideactors protect against fast-rising high-voltage spikes
- 312 volt clamping
- Twin fuses to protect against long-duration voltage spikes
- 6-foot Phone Cord Included

SCG5 Coax Specifications:

- Fully shielded
- 0-1.2 GHz Frequency response
- 2 Gold plated F-connectors
- Works with all antenna, cable & satellite systems

Rev 3/14/07

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Consumer Products Division

6 outlet 110/220 dual voltage surge protector

Surge Protector Specifications

- UL 1449 rating for 120 volts
- 110/220 Volt 50/60 Hz
- 15 amp continuous current
- 430 volt, three-way protection
- 900 joules protection
  - 300 joules live to neutral
  - 300 joules live to ground
  - 300 joules neutral to ground
- 30,000 amp three-way Protection
  - 10,000 amps live to neutral
  - 10,000 amps live to ground
  - 10,000 amps neutral to ground
- 4 different fuses:
  - 2 Thermal & current fuses
  - 2 Trace land fuses
- EMI/RFI filtering:
  - .1ufd film box capacitor
  - Up to 43db line noise reduction

Power Strip Features

- Lighted circuit breaker power switch
- 4-Foot 14 gauge heavy-duty power cord
- Standard plug
- Wall Mountable in all 4 directions
- Impact resistant plastic case
- 6 standard outlets

Tel/Fax/Modem Specifications

- RJ12 connectors for standard phones
- Primary line surge protection only
- Two MOVs with 160 Joules protection
- Less then 1 nanosecond response time
- 130 volt clamping
- Twin fuses to protect against long-duration voltage spikes
- 6-foot Phone Cord Included

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