

**POWRUI Surge Protector, USB Wall Charger with 2 USB Charging Ports(Smart 2.4A Total), 6-Outlet Extender and Top Phone Holder for Your Cell Phone, White, ETL Listed Review-2021**



Multi-function Design: 2 USB charging ports (total output DC 5V/2.4A) and 6 AC outlet Plugs with built-in surge protector (1680 Joules). AC 100-240V normal working voltage range  
Dual Smart USB Charging Ports: 5V 2.4A shared rating; high-speed USB ports automatically detect charging devices and deliver optimal charging speed, up to 2.4A per port. Also, your cell phone could be put on the top phone holder conveniently when charging.

6 AC Outlets: the extended 6 outlets fit 6 standard plugs simultaneously, with built-in 1680J surge protection components. The "Protected" indicator LED light turns on to show your devices are protected against electrical spikes at the maximum.

Professional Surge Protector: The 6 AC outlets provide surge protector against electrical spikes. Three complementary Surge Protection Circuits, TVS+MOV(metal oxide varistor)+GDT(gas discharge tube), with response speed less than 1Ns, and minimum energy-absorbing capacity of 1680 Joules, its response time is much shorter than the traditional MOV surge protector circuit, It truly provides great protection of your precious plugged-in devices

Our After Sale Service: ETL Certified All our products are covered by global liability insurance protected by \$1000,000 connected equipment warranty. Our friendly and reliable customer service will respond to you within 24 hours. You can purchase with confidence, with our 30-day return and 12-month replacement .Powrui Neat Looking All in One Wall Mount Charging Center This multi-functional USB outlet wall charger expands 1 outlet to 6 AC outlets & 2 smart USB charging ports which allow you to power up to 8 devices simultaneously. Super easy to install and use by just plugging in a wall socket. It will meet your different requirements whether in living room, bedroom, bathroom, office or while traveling.

Smart Dual USB Wall Charger (2.4A/Port, 2.4A Total) - Intelligent Charging Technology Powrui multi-plug outlet adapter with 2.4A dual USB ports can help you charge smart phones, computers, and other electronic devices quickly to keep your electronics ready to go.

Surge Protection Do you still have concerns that your electronic devices are damaged in stormy weather with thunders? You don't have to worry any more. This product provides best surge protection against electrical spikes with three complementary Surge Protection Circuits, TVS+MOV+GDT, with response speed less than 1Ns, and minimum energy-absorbing capacity of 1680 Joules, It could absorb much more energy from the power spikes. It truly provides great protection of your precious plugged-in device.

Specifications:

- Input Voltage: AC 100-240V
- Max.Power Rating: Max 15A/1875W
- USB Port Output: DC5V, total2.4A

Packing List:

- 1x Multi Outlets with USB
- 1 x User Manual

POWRUI 3- Level Complementary Surge Protector Circuit

Electrical Surge, Surge Protection Components & Surge Protection Circuits

What causes an electrical surge?

In stormy weather, when thunder happens close to the transmission line, the conveying circuit will create induced surge voltage. This can also occur when a large electric device is turned on in the power circuit. Both types of induced surge voltage can interfere the electric devices connected. The first type can damage the devices.

Frequently used surge protection components

Surge protectors can be added to the power circuit to prevent the damage. The surge protectors are constructed with different types of surge protection components. The most frequently used ones are MOV, GDT and TVS. MOV has medium energy absorbing capability and response time, so it is widely used in simple surge protection circuits. GDT has large energy absorbing capability but longer response time; TVS has response speed less than 1Ns with small energy absorbing capability. All three of them are used together to construct professional surge protection circuits.

POWRUI 3-Level Surge Protection Circuit

POWRUI is one of the few Surge Protector makers which uses TVS, MOV and GDT to make

3-Level Surge Protection Circuit that absorbs the energy in steps, providing the best protection of the electrical devices from voltage spikes. When the power surge occurs, TVS responds within 1ns to suppress the unwanted voltages to the safe threshold. Then after several ns, MOV starts to continuously absorb energy. Within a few hundred ns, GDT works to ground a large amount of surge voltages, then triggers the circuit breaker to break the circuit and completely protect the devices. The advantage of this kind of circuit is large energy absorbing capability which could reach 5,000 to 10,000 joules with <1ns response time. But the cost is high.

Other Brands 1-Level Surge Protection Circuit

Most of other surge protector makers use 1-level MOV parallel circuit, that connects multiple MOV components with surge protection functions to certain joules. The advantage is simple circuit and low cost which can meet the surge protection needs to under 1000 joules. But the energy absorbing capability is low with slow response time, that can only be used on basic surge protector.

Dual Smart USB Charging Ports: 5V 2.4A shared rating; high-speed USB ports automatically detect charging devices and deliver optimal charging speed, up to 2.4A per port. It can charge 2 portable devices simultaneously

6 AC Outlets: the extended 6 outlets fit 6 standard plugs simultaneously, with built-in 1680Joules surge protection components. The "Protected" indicator LED light turns on to show your devices are protected against electrical spikes at the maximum. Review 2021, feedback 2021, promo code, discount code 2021, buy, picture, description, sale, price comparison, cheap, cheapest, value for money.