



Specifications	
Power Handling	1200W
Operating Voltage	230V 50Hz
Surge Absorption	200J 13KA 8/20µs
Certifications	IEC61643
Warranty	1 Year
Warranty against Lightning	Yes
Reverse Polarity Protection	Yes
Absorption Stages	Two
Surge Diversion	via Earth
Device Status Indication	LED
Replaceable Parts	Fuse 13A
Fuse type	Cylindrical Glass type
Spare Fuse	N/A
Protected Outlets	One
Water Proofing	Semi
Installation	Indoor
Dimensions (cm)	9W x 6H x 7D
Weight	225g
Detachable Extension Cord	Attached Plugtop 13A
Additional Grounding Requirement	Not required
Multi Equipment Protection	Yes
Country of Manufacture	Sri Lanka
Shielded Chassis	Yes

Protection Capabilities	
Power Line Surge (Lightening) Surge from internal appliances	EMI and RFI Filtering Power Line High Voltage

Designed, Engineered and Manufactured in Sri Lanka by Bravo Solutions, Bravo CleanPower^{Mini} is standing out with proven Surge Protection with innovative cutting edge technology backed by Comnet Labs Sweden. Designed to provide Over Voltage and Surge protection at the AC mains, Bravo CleanPower^{Mini} is built with a totally unique protective device which has proudly obtained the highest international standard **IEC-61643** for this product category.

CleanPower^{Mini} is designed for a 230Volt 50Hz AC Mains Electrical Supply. This is tested and proven to handle 200J / 13,000A @ 8/20µs timing standards. CleanPower^{Mini} has a dual polarity protection circuit that is capable of protecting any surge that comes either through Neutral or Phase lines. It is also a unique dual stage design that absorbs the power of the surge at 2 stages independently thus leaving no room for the surge to pass through to the connected appliance.

CleanPower^{Mini} is designed to be fully portable in order to be a "Trusted Protection that follows you". The white ABS enclosure is fully isolated from ground ensuring total safety from electrical shocks. It has a single protected 13A outlet sockets that can be further expanded using a power extender cord. The status of the Protector is indicated using a LED indicator. In case of a higher surge, the built-in fuses are designed to get burnt and are field replaceable.

Installation and Maintenance	
This device should be installed in a dry location for longer life and trouble free operation. It can be directly plugged into the 13A wall socket. Two fuses are located separately; one inside the Power Plug and the other one is clearly visible. Both fuses are field replaceable with careful hands. The LED should light up if the product is in full working order. If not, check the fuses.	

Online Ordering Information

Bravo Solutions, 82B, Walaliyadda, Ellakkala 11116, Sri Lanka.
www.bravosl.com

Telephone
 +94770884303, +94717804303

Email: cleanpower@bravosl.com



Appliances That can be Protected	
Industrial	WiFi Hotspots, Routers, Switches, Rack and Blade Servers, UPS, CCTV Camera (IP and AV types), DVR, Wireless Intercoms, Weigh Bridges, Outdoor LED display boards, Tele-Communications Equipment, Spectrum Analyzers, Signal /Pulse Generators, Fuel Pumps, Gas Dispensers, Vending machines, Textile machinery,
Domestic	LED/ LCD/ Plasma Televisions, Conventional CRT Televisions, Fridge, Freezer, Bottle cooler, Treadmill, HiFi Setups, Home Theater Systems, Laptop, Desktop, Tablet computers, Microwave oven, Rice cooker, Satellite TV DVB Receiver, STB, Home Security Systems, Washing Machine, Garage Door controllers, Water Purifiers
Medical	Ultrasound Scanner, Mass Spectrometers, Chromatographs (e.g. GC and HPLC), Spectrometers (e.g. AAS, X-ray, and Fluorescence), Rheometers, Elemental Analyzers (e.g. Salt, CHN), Different type of Analyzers(Thermal, Blood Gas, Coagulation, Electrolyte, Immunoassay, Urinalysis, Chemistry, DNA, Hematology, Point of Care, Particle Size)
Agricultural	Irrigation Pumps, Climatic Control Systems (Temperature, Humidity, Light level), UV and special lightning systems, Chemical Mixers, Dryers, Dehydrators, Watering Timers.