

VOLTAGE PROTECTION



EQUI POWER 

"PREVENTION IS BETTER THAN PROTECTION"

PowerKavach

Only product that can withstand 440V for more than 24 hours along with 160kA spike protection along with lightning protection*



By definition it is a protection device for problems such as neutral open or double phasing conditions. These are accidents for which there are no safeguards in industry whatsoever. The device is designed to withstand 440V in single phase for more than 24 hours. Most equipment, and even protection devices like UPS, stabilizer, SPDs get damaged.

Power Kavach shuts the power supply to connected equipment such cases and when the voltage comes back to normal, Power Kavach switches ON again automatically.

On a daily basis 100-200 spikes enter our electrical system and degrade our equipments over time .Power Kavach also in built 160kA surge protection for absorbing spikes and surges in the electrical system and protecting the connected equipment

In plus model, Powerkavach can also safeguard against lightning impulses.

Features

- Can withstand 440V for more than 24 hrs
- in built 160kA surge protection (Type 2 SPD)
- lightning impulse protection (Plus model)
- Transient protection (power on delay)
- Under/over voltage protection
- No waveform distortion.
- Lightweight , transformer-less design

Why use Power Kavach to protect equipment?

- No Equipment is designed for voltage levels beyond 20% for more than 2-3 hours
- Any equipment accidentally connected between two phase will get damaged immediately.
- Transformerless / SMPS based equipments get damaged very easily even with in built OV protection.
- Powerkavach can withstand 440V between any phase and neutral for more than 2-3 days
- Surge protection included in Power kavach will increase the life of your equipment by additional 4-5 years. So your equipment will need less repairs or part replacements



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Technical specifications PowerKavach Lite

	single phase	3 phase	
Rating	3, 6, 10, 15 kVA	10, 20, 30, 40kVA	50kVA-200kVA
Input			
Nominal Voltage	230V AC single phase	415V AC 3 phase	415V AC 3 phase
Operating voltage range	50 to 440 VAC	50 to 440 VAC per phase	50 to 440 VAC per phase
Input frequency	40 to 65 hz	40 to 65 hz	40 to 65 hz
voltage protection			
can withstand 440V for 24 hours	yes	yes	yes
Under voltage cutoff	170V (factory preset)	170V (factory preset) per phase	170V (factory preset) per phase
Over Voltage cutoff	265V (factory preset)	265V (factory preset) per phase	265V (factory preset) per phase
power on time delay	15 seconds (factory preset)	15 seconds (factory preset)	15 seconds (factory preset)
Surge protection per phase (8/20μs)	40kA(max)	40kA(max)	40kA(max)
surge response time	less than 100 ns	less than 100 ns	less than 100 ns
Lightning protection per phase (10/350 μs)	NA	NA	NA
Physical			
Enclosure type	PVC box	PVC box	MS enclosure
IP rating	IP 43	IP43	IP43
Cooling	Natural	Natural	Natural
Colour	white	white	white
Input connection type	screwless terminal block	screwless terminal block	screwless terminal block
Output connection type	screwless terminal block	screwless terminal block	screwless terminal block
Size	300x 200x 80 mm	450x 350x 140 mm	600 x 500 x 220 mm
LED Indication	ON, Wait, Under/ Over voltage	ON, Wait, Under/ Over voltage	ON, Wait, Under/ Over voltage
Compliances	IEC61000-4-5-11	IEC61000-4-5-11	IEC61000-4-5-11
	IEC61643-11	IEC61643-11	IEC61643-11
	IEC60601	IEC60601	IEC60601

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Technical specifications PowerKavach plus

	single phase	3 phase	
Rating	3, 6, 10, 15 kVA	10, 20, 30, 40kVA	50kVA-200kVA
Input			
Nominal Voltage	230V AC single phase	415V AC 3 phase	415V AC 3 phase
Operating voltage range	50 to 440 VAC	50 to 440 VAC per phase	50 to 440 VAC per phase
Input frequency	40 to 65 hz	40 to 65 hz	40 to 65 hz
voltage protection			
can withstand 440V for 24 hours	yes	yes	yes
Under voltage cutoff	170V (factory preset)	170V (factory preset) per phase	170V (factory preset) per phase
Over Voltage cutoff	265V (factory preset)	265V (factory preset) per phase	265V (factory preset) per phase
power on time delay	15 seconds (factory preset)	15 seconds (factory preset)	15 seconds (factory preset)
Surge protection per phase (8/20μs)	40kA(max)	40kA(max)	40kA(max)
surge response time	less than 100 ns	less than 100 ns	less than 100 ns
Lightning protection per phase (10/350 μs)	12.5kA	12.5kA	12.5kA
Physical			
Enclosure type	PVC box	PVC box	MS enclosure
IP rating	IP 43	IP43	IP43
Cooling	Natural	Natural	Natural
Colour	white	white	white
Input connection type	screwless terminal block	screwless terminal block	screwless terminal block
Output connection type	screwless terminal block	screwless terminal block	screwless terminal block
Size	300x 200x 80 mm	450x 350x 140 mm	600 x 500 x 220 mm
LED Indication	ON, Wait, Under/ Over voltage	ON, Wait, Under/ Over voltage	ON, Wait, Under/ Over voltage
Compliances	IEC61000-4-5-11	IEC61000-4-5-11	IEC61000-4-5-11
	IEC61643-11	IEC61643-11	IEC61643-11
	IEC60601	IEC60601	IEC60601



Happy to Help

We're here to help

Do let us know how we can help you. We are looking for partners to reach out to people and organisations facing voltage problems. We would like to collaborate and partner with you to offer the solutions



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