

STP-SERIES

Surge Protectors

The STP-SERIES is the result of over 40 years of research and development in lightning protection solutions. Conceptualized based on the requirements of the Space Programs, Oil and Gas, Military and Telecommunication industries, the STP-SERIES offers excellent surge protection against the devastating secondary effects of lightning.

Feature Highlights:

- High surge current protection
- Reduces nuisance tripping of ELCB/RCCB
- Low let-through voltage
- Up to 7 Mode Protection
- Easy installation
- High energy handling MOVs
- Device Life Status plus diagnostic indications
- Workmanship and performance warranty



STP-Series Surge Protectors

Distribution Panel Protection for Low to Medium Exposure Applications



	STP4-240/415V-3Y	STP8-240/415V-3Y	STP16-240/415V-3Y
Electrical Specifications			
Service System	240/415V _{AC} Three Phase Wye	240/415V _{AC} Three Phase Wye	240/415V _{AC} Three Phase Wye
Operating Frequency	50/60 Hz	50/60 Hz	50/60 Hz
MCOV Rating	288/477V _{AC} Three Phase Wye	288/477V _{AC} Three Phase Wye	288/477V _{AC} Three Phase Wye
Protection Modes	7 Mode Protection L1-N L1-G N-G L2-N L2-G L3-N L3-G	7 Mode Protection L1-N L1-G N-G L2-N L2-G L3-N L3-G	7 Mode Protection L1-N L1-G N-G L2-N L2-G L3-N L3-G
Nominal Discharge Current (In) @ 8/20μs Surge	20,000 amps	20,000 amps	20,000 amps
Maximum Discharge Current (Imax) @ 8/20μs Surge	40,000 amps	40,000 amps	40,000 amps
Maximum Surge Current Capacity	40kA @L-N mode 40kA @L-G mode 40kA @N-G mode 80kA per phase	80kA @L-N mode 80kA @L-G mode 80kA @N-G mode 160kA per phase	160kA @L-N mode 160kA @L-G mode 160kA @N-G mode 320kA per phase
Maximum Clamping Voltage @3kA 8/20μs Surge (UL 1449 3rd Ed)	720V _{AC}	720V _{AC}	720V _{AC}
Voltage Protection Rating (VPR) @ 20kA 8/20μs Surge (IEC61643-11:2011)	1750 (L1), 1750 (L2), 1750 (L3), 1750 (N-G)	1750 (L1), 1750 (L2), 1750 (L3), 1750 (N-G)	1750 (L1), 1750 (L2), 1750 (L3), 1750 (N-G)
Physical Specifications			
Dimensions	225mm x 175mm x 90mm	225mm x 175mm x 90mm	225mm x 175mm x 90mm
Weight (Without Package)	1.85kg	2.00kg	2.25kg
Enclosure Material	Powder Coated Steel	Powder Coated Steel	Powder Coated Steel
Temperature	-40 deg C to +85 deg C	-40 deg C to +85 deg C	-40 deg C to +85 deg C
Connection Means	Hardwire to Panel Mains	Hardwire to Panel Mains	Hardwire to Panel Mains
Connection Terminals	Screw Terminals	Screw Terminals	Screw Terminals
Wire Size	6 AWG / 10mm ²	6 AWG / 10mm ²	6 AWG / 10mm ²
Warranty	1 Year Performance Warranty (One-to-One Exchange)		
Other Configurations	Wye Models (Single Phase) & Delta Models (Single Phase & Three Phase) Available		

Disclaimer: Specifications are subject to change without prior notice

SINAR INTI TEKNOLOGI

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