



STFV PLUS SERIES

The STFV Plus Series combines SolaHD Tracking filtration for low-energy noise and surge protection for high-energy transients. It continuously tracks the input AC power line responding instantly into action upon detecting extraneous high-frequency noise and high-voltage transients caused by everyday events such as turning on machinery, motors or equipment.

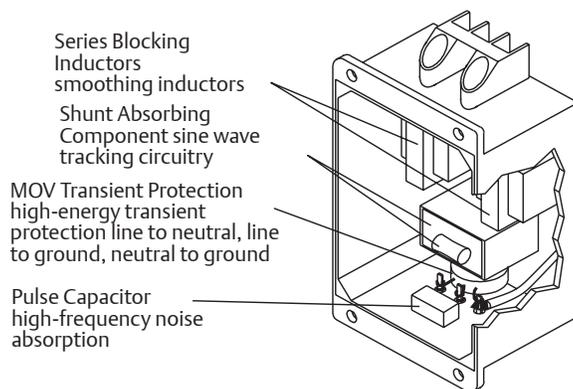
APPLICATIONS

- Branch and Control Panels
- Factory Automation Installations
- Point of Use Industrial Service Equipment
- Programmable Logic Controllers
- Dedicated Industrial and Machine Tools
- Telecommunications and IT Equipment

FEATURES

- Series filter/SPD technology for total durability
- High impact plastic case, epoxy encapsulated enclosure
- Transient protection in all modes (L-N, L-G, and N-G)
- Single phase applications up to 30 Amps
- Operating temperature from -40 °C to +60 °C (-40 °F to +140 °F)
- Hardwired connection
- LED power indication
- Ten year limited warranty

SYSTEM DESIGN



CERTIFICATIONS AND COMPLIANCES

-  Certified
 - CSA C22.2 No. 8
-  us UL Recognized Component
 - UL 1283
- RoHS Compliant

RELATED PRODUCTS

- Power Conditioners
- Uninterruptible Power Supplies
- Power Supplies

SOLAHD For product information:
www.solahd.com
1.800.377.4384



CONSIDER IT SOLVED™

SPECIFICATIONS

| Description | Value | |
|--|---|-----------------|
| Input Voltage | 120 Vac Models | 0-150 Vrms |
| | 240 Vac Models | 0-275 Vrms |
| Line Frequency | 50/60 Hz | |
| Configuration | Single Phase (2 Wire + Ground) | |
| Response Time | < 5 nanoseconds | |
| Enclosure | High impact plastic case, 94 V-0, Vacuum impregnated magnetics, epoxy encapsulated | |
| Fusing | External | |
| Status Indication | Green LED | |
| Connection/Mounting Type | Series/Panel Mount | |
| Operating Temperature | -40 °C to +60 °C (-40 °F to +140 °F) at full load Derate Linearly to 60% at +70 °C (+158 °F) | |
| Operating Humidity | 0% to 95% Non-condensing | |
| Mean Time Between Failure (MTBF) | Greater than 100,000 hours (Mil. Std. 217F) | |
| Packaging | High impact plastic case, vacuum impregnated magnetics, epoxy encapsulated | |
| Peak Surge Current Capability (8x20 μ s) | Per Phase | 13,000 Amps |
| | Line to Neutral | 6,500 Amps |
| | Line to Ground | 6,500 Amps |
| | Neutral to Ground | 6,500 Amps |
| Load Surge Current Rating | 10 milliseconds | 5 x Nominal |
| | 1 second | 3 x Nominal |
| | 10 seconds | 2 x Nominal |
| Frequency Response (Forward Reverse) | 100 kHz to 50 MHz | -90 dB Max |
| Transient Reduction * (IEEE C62.41) | Typical Category A Ringwave (6 kV, 200 A, 100 kHz) | < 10 volts peak |
| | Typical Category B Ringwave (6 kV, 500 A, 100 kHz) | < 50 volts peak |

SELECTION TABLE

| Catalog Number | Amps | Number Min. Wire Size (AWG Suggested) | Screw Size | Fuse/Circuit Breaker Ampacity | | Weight lbs (kg) | ICxxx Equivalent |
|--------------------------------------|------|---------------------------------------|------------|-------------------------------|-------|-----------------|------------------|
| | | | | Suggest | Max | | |
| Single phase Models (120 Vac) | | | | | | | |
| STFV02510N | 2.5 | 26 | #6 | 2.5 | 3.125 | 1.0 (.45) | IC102 |
| STFV05010N | 5.0 | 22 | #6 | 5 | 6.25 | 1.3 (.59) | IC105 |
| STFV07510N | 7.5 | 18 | #6 | 7.5 | 9.375 | 2.0 (.91) | IC107 |
| STFV15010N | 15.0 | 14 | #8 | 15 | 18.75 | 3.5 (1.59) | IC115 |
| STFV30010N | 30.0 | 10 | #8 | 30 | 37.5 | 6.0 (2.72) | IC130 |
| Single phase Models (240 Vac) | | | | | | | |
| STFV02524L | 2.5 | 26 | #6 | 2.5 | 3.125 | 1.3 (.59) | IC202 |
| STFV05024L | 5.0 | 22 | #6 | 5 | 6.25 | 2.0 (.91) | IC205 |
| STFV07524L | 7.5 | 18 | #6 | 7.5 | 9.375 | 3.5 (1.59) | IC207 |
| STFV15024L | 15.0 | 14 | #8 | 15 | 18.75 | 5.8 (2.63) | IC215 |
| STFV30024L | 30.0 | 10 | #8 | 30 | 37.5 | 6.0 (2.72) | IC230 |

United States: 1.800.377.4384 | Asia/Pacific: + 65.6891.7600 | Australia: + 61.3.9721.0387
 Brazil: São Paulo/SP + 55.11.2122.5777 | Brazil: Camaçari/BA + 55.71.3496.4427 | Canada: + 1.888.765.2226
 China: + 86.21.3418.3888 | Europe: + 33.3.2254.1390 | Mexico/Latin America: + 52.55.5809.5049
 Middle East/Africa/India: + 971.4.811.8100
www.solahd.com

SOLAHD

