



## STC-SLAC SERIES


The STC-SLAC Series surge suppressor is specifically designed to protect sensitive electronics that contain both low-voltage control circuit signal lines and 120 volt AC Power. It combines the technologies found in the STC-642 signal line protector and the STC-HSP advanced three-stage hybrid solid state power line protector. The rugged waterproof NEMA 4X polycarbonate enclosure is suited for installation in the most severe environments.

### APPLICATIONS

- Water treatment facilities
- Industrial manufacturing plant
- Chemical processing plants
- Wastewater treatment facilities
- Agricultural (farms and processing)
- Fish hatcheries
- Food processing

- Internal replaceable fuse
- Screw terminals for ease in serviceability
- Five year limited warranty

### CERTIFICATIONS AND COMPLIANCES

-  Listed  
— UL 497B
- RoHS Compliant

### FEATURES

- Surge suppression for AC power and low-voltage signal lines
- Series hybrid AC suppressor/filter
- User-replaceable protection modules
- 15 Amps replaceable fuse for AC module
- Test jacks for signal line monitoring
- “Power ON” LED indicator

### SELECTION TABLE

Catalog Number	Description
STCSLAC12036	Surge Suppressor (STC-642 signal line protector and the STC-HSP module)
STCHSP121BT1RU	Replacement AC module
STC642036	Replacement signal line module

**SOLAHD**

For product information:  
[www.solahd.com](http://www.solahd.com)  
 1.800.377.4384



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SPECIFICATIONS

Description		AC Power	
Technology	Three-Stage Series Hybrid		
SPD Technology	GDT/PTC/SAD		
Voltage Clamp	325 Vac		
Input Voltage	120 Vac 50/60 Hz		
Output Voltage	15 Amps Max.		
Response Time	<5 nanoseconds		
Maximum Surge Current (8x20 $\mu$ s)	39 kA		
Parameter	Normal Mode (L-N)	Common Mode (L-G) (N-G)	
IEEE 587 CAT A Ring*	172 V	280 V	
IEEE 587 CAT B Ring*	205 V		
IEEE 587 CAT B Impulse*	330 V		
Certification	UL 1449, Type 2		
Description		Signal Line	
Technology	Three Stage Series Hybrid		
Peak Surge Current (8x20 $\mu$ s)	10 kA		
Response Time	<5 nanoseconds		
Voltage Clamp	36 Volts		
Maximum Current	150 mA		
Series Resistance	5 Ohms (typical)		
Certification	UL 497B		

\* Measured from zero volts, to 90° Phase angle

SYSTEM DESIGN



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