

**SHANGHAI SOSIN ELECTRONICS CO., LTD**

**EMC TESTING  
INSTRUMENTS CATALOG**



**Professional · Reliable · Innovative · Service**

## COMPANY INTRODUCTION

Founded in 2014, Shanghai Sosin Electronics Co., Ltd (EMCSOSIN)/Shanghai Shinegil Trading Co., Ltd is a high-tech enterprise specializing in the independent R&D, production and sales of electromagnetic compatibility (EMC) testing instruments. Driven by technological innovation, we are committed to providing customers with higher quality products and premium after-sales services.

EMCSOSIN has its own R&D team, with extensive experience in the EMC industry.

With years of dedicated focus on the EMC industry, we have obtained 21 national patents and 16 software copyrights. The company has passed CE and ISO 9001 international certifications and been awarded the title of "Specialized, Refined, Differentiated and Innovative Enterprise".

We have established overseas channels to expand international market. Our instruments have been widely supplied to Europe, America, Asia and other regions, gaining widespread recognition and trust from domestic and foreign customers. In 2025, our global equipment shipments exceeded 1,800 sets, serving a total of over 6,000 corporate clients worldwide.



## CORPORATE CULTURE

With the core value of "Innovation, Quality and Service", EMCSOSIN adheres to customer-oriented development. We consistently upgrade product quality and service capabilities, striving to build a leading brand in the EMC industry.



# PRODUCT INTRODUCTION

## Multifunction Immunity Generator



Model: EMC S03-W  
ESD, EFT, Surge three tests (freely combined)  
ESD output voltage: 0.2~20kV  
EFT output voltage: 0.2~5kV  
Surge output voltage: 0.2~6kV  
Compliant standard: IEC/EN 61000-4-2, -4, -5  
GB/T 17626.2, .4, .5

## ESD Generator



Model: ESD 30K  
Output voltage: 0.2~30kV (optional for 20kV)  
Discharge module: 150pF/330Ω (optional for 150pF/2000Ω, 330pF/2000Ω, 330pF/330Ω)  
Discharge current rise time: 0.8ns ±25%  
Air discharge hold-on time: ≥5s  
Compliant standard: IEC/EN 61000-4-2, ISO 10605,  
GB/T 17626.2, GB/T 19951

## Semiconductor ESD Test Generator



Model: ESD 8K  
Output voltage: HBM: 50~8000V MM: 50~800V  
Discharge module: 100pF/1500Ω (HBM),  
200pF/0Ω (MM)  
Test mode: HBM mode, MM mode  
Compliant standard: ANSI-STM5.1-2001,  
JESD22-A114D-2005,  
AEC-Q100-002D-2003,  
GJB548B-2005

## Semiconductor ESD Test Generator



Model: ESD 114E  
Output voltage: HBM: 50~20000V MM: 50~2000V  
Discharge module: 100pF/1500Ω (HBM),  
200pF/0Ω (MM)  
Test mode: HBM mode, MM mode  
Compliant standard: ANSI-STM5.1-2001,  
JESD22-A114D-2005,  
AEC-Q100-002D-2003,  
GJB548B-2005





### EFT/Burst Generator

Model: EFT S4  
Output voltage: 0.2~5kV (optional for 6kV)  
Pulse frequency: 1Hz~1000kHz  $\pm 10\%$ , continuously adjustable  
Output waveform: 5ns/50ns  
Compliant standard: IEC/EN 61000-4-4, GB/T 17626.4



### Surge Generator

Model: SUR S6  
Voltage wave: 1.2/50 $\mu$ s 0.2~6kV (optional for 8kV, 10kV, 15kV, 20kV)  
Current wave: 8/20 $\mu$ s 0.1~3kA (optional for 4kA, 5kA, 7.5kA, 10kA)  
Output impedance: 2 $\Omega$  (common mode: 12 $\Omega$ ),  
500 $\Omega$  (impulse withstanding voltage test)  
Compliant standard: IEC/EN 61000-4-5, GB/T 17626.5



### Telecom Wave Surge Generator

Model: SUR 700  
Surge waveform: 10/700 $\mu$ s, 5/320 $\mu$ s  
Output voltage: 0.2~6kV (optional for 10kV)  
Output impedance: 15 $\Omega$ , 40 $\Omega$   
Compliant standard: IEC/EN 61000-4-5, GB/T 17626.5



### Cell Phone/Chip (EOS) Surge Generator

Model: SOSIN 8/20  
Open-circuit voltage wave: 1.2/50 $\mu$ s Short-circuit current wave: 8/20 $\mu$ s  
Open-circuit voltage: 2~1000V Short-circuit current: 1~500A  
Output impedance: 2 $\Omega$ /12 $\Omega$  (42 $\Omega$ )  
Compliant standard: IEC/EN 61000-4-5, GB/T 17626.5



### Surge Generator

Model: SUR S10L  
Voltage wave: 1.2/50 $\mu$ s 10/700 $\mu$ s Current wave: 8/20 $\mu$ s 5/320 $\mu$ s  
Open-circuit voltage: 0.2~10kV  
Phase: 0~359° synchronous, asynchronous, automatic  
Output impedance: combination wave: 2 $\Omega$  (common mode 12 $\Omega$ )  
Telecom/communication wave: 15 $\Omega$ /40 $\Omega$   
Compliant standard: IEC/EN 61000-4-5, GB/T 17626.5



### Impulse Withstand Voltage Generator

Model: WVT 255, WVT 255L  
Output waveform: 1.2/50 $\mu$ s  
Output voltage: 0.5-10kV (optional for 12kV, 15kV, 20kV, 30kV)  
Output impedance: 2 $\Omega$ , 12 $\Omega$ , 38 $\Omega$ , 42 $\Omega$ , 500 $\Omega$  (custom service available)  
Compliant standard: IEC/EN 60255-5, IEC/EN 60255-27  
GB/T 16927.2, GB/T 17627.1, GB/T 14598.3



### Surge Data Line CDN

Model: CDN-I/O, CDN-I/OE  
 Voltage wave: 10/700 $\mu$ s, 1.2/50 $\mu$ s Current wave: 5/320 $\mu$ s, 8/20 $\mu$ s  
 Max coupling voltage: 6kV  
 Coupling network: 4-line, 2-line, single line (freely switching)  
 8-line, 4-line, 2-line, single line (freely switching)  
 Compliant standard: IEC/EN 61000-4-5, GB/T 17626.5



### Impulse Current Generator

Model: SUR 6kA  
 Short-circuit current: 8/20 $\mu$ s  
 Max current: 6kA (optional for 1kA/10kA/15kA/20kA/30kA/50kA/100kA)  
 Output impedance: 1 $\Omega$  (optional for 0.5 $\Omega$ , 0.75 $\Omega$ )  
 Compliant standard: IEC 62475, GB/T16927



### Ring Wave Impulse Current Generator

Model: RWI 250A  
 Current waveform: current waveform peak: 20A~250A ( $\pm 5\%$ )  
 Front time: 0.5 $\mu$ s +30% Current wave period: 10 $\mu$ s +20%  
 Attenuation ratio: approximately 60% of the previous waveform  
 Oscillation frequency: 100kHz  
 Compliant standard: GB 14048.2, GB 16916.1, GB/T 16917.1



### PV (Photovoltaic) Surge Withstand Voltage Tester

Model: WVT 30K  
 Rise time: 0.84 $\mu$ s~3.12 $\mu$ s Pulse width: 50 $\mu$ s (accuracy within  $\pm 20\%$ )  
 Output voltage: 3~30kV/50kV/60kV (custom service available)  
 Capacitance range: 10nF~183nF (7 selectable levels)  
 Compliant standard: IEC 60060-1, IEC 61730-2, GB/T 16927.1



### Voltage Dips Generator

Model: VDT S20  
 Voltage variation range: 0%~120%  
 Voltage change duration: 1~1000000HC (half cycle)  
 Fall/rise time: 1 $\mu$ s~5 $\mu$ s for abrupt changes (50 $\mu$ s>75A)  
 EUT capacity: 1phase 20A (optional for 1phase/3phase 10A/20A/30A/50A/100A)  
 Compliant standard: IEC/EN 61000-4-11, IEC/EN 61000-4-34,  
 GB/T 17626.11, GB/T 17626.34



### DC Voltage Dips Generator

Model: VDT DC  
 Power supply voltage: DC 1~80V (custom specific on demand)  
 Dips voltage: 0~80V  
 Power: built in high-precision dual DC power supplies  
 CDN (coupling/decoupling network): DC 20A  
 Compliant standard: IEC 61000-4-29, IEC 61131-2, GB/T 17626.29



### Impulse Magnetic Field Generator

Model: PFM S9  
Magnetic field strength: 100A/m~3000A/m (continuously adjustable)  
Impulse waveform: 6.4/16 $\mu$ s  
Compliant standard: IEC 61000-4-9, GB/T 17626.9



### Damped Oscillatory Magnetic Field Generator

Model: PFM S10  
Magnetic field strength: 5~100A/m (continuously adjustable)  
Oscillation frequency: 100kHz, 1MHz  
Attenuation: decays to 50% of the 1st peak within the 3rd to 6th cycles  
Compliant standard: IEC 61000-4-10, GB/T 17626.10



### Ring Wave Generator

Model: RWI S6  
Output voltage: 0.2~6kV  
Oscillation frequency: 100kHz  
Impedance: 12 $\Omega$ , 30 $\Omega$ , 200 $\Omega$  (custom specific on demand)  
Compliant standard: IEC 61000-4-12, GB/T 17626.12



### Damped Oscillatory Wave Generator

Model: OWI T3  
Output voltage: 0.2~3kV  
Oscillation frequency: 100kHz, 1MHz  
Impedance: 200 $\Omega$   $\pm$ 20%  
Front time: 75ns  $\pm$ 20%  
Compliant standard: IEC 61000-4-18, GB/T 17626.18



### Power Frequency Magnetic Field Generator

Model: PFM 1200  
Magnetic field strength: 1A/m~1200A/m (continuously adjustable)  
Current waveform: 50/60Hz, sine wave  
Current distortion rate: <5%  
Compliant standard: IEC 61000-4-8, GB/T 17626.8



### Short-term Overcurrent Generator

Model: OCP 3600A  
Test Current: 10A~3600A (-10%)  
Waveform: 50Hz~60Hz sine wave Output phase angle: 0°  
Compliant standard: GB/T 17215.301, GB/T 17215.321,  
GB/T 17215.322, IEC 62053



### RF Conducted Immunity Test System



Model: CIT 06300

Frequency: 4kHz~1GHz Power meter: 4kHz~500MHz (expandable to 1GHz/6GHz)

Amplifier frequency: 100kHz~230MHz Max output power: 100W

Standard accessories: 6dB attenuator, 50Ω terminal load, CDN, CDN calibration kit etc.

Compliant standard: IEC 61000-4-6, GB/T 17626.

### Low Frequency Conducted Immunity Test Instrument



Model: CIT6000-19

Frequency: 2kHz~200kHz Current: 5A Output impedance: 1+0.3Ω

Pulse modulation: 2Hz~1kHz Duty cycle: 50%

Compliant standard: IEC 61000-4-19, GB/T 17626.19

### Harmonics & Flicker Measurement System



Model: HFM01161

Output channel: one current input channel, one voltage input channel

Frequency: 50Hz/60Hz, optional PLL phase-locked loop or fixed frequency

A/D converter: 18-bit low-noise, high-bandwidth analog-to-digital converter

Harmonics: 180 times (50Hz)/150 times (60Hz)

Built-in flicker impedance, current up to 16Arms

Compliant standard: IEC 61000-3-2/3, GB/T 17625.1, GB/T 17625.2

### Automotive Power Fault Simulator



Model: RV 16750

Output voltage: Max 100V

Output current: Max 500A

Superimposed waveform: arbitrary waveform programmable function

Compliant standard: ISO 7637-2, ISO 16750-2, BMW 600 13.0 (Part 1),  
BMS GS 95002, BMS GS 95003-2, BMS GS 95024-2-1,  
VW 8000, VS-00.35-L-10008

### EV Charger Inrush Current Generator



Model: SUR 61439

Pre-charge current: 30A (RMS) Inrush current: 200A±10A (at 90° phase angle)

Rated current: 32A(RMS), compatible with 6A/8A/10A/13A/15A/16A/32A

Compliant standard: IEC 61439-7:2018, GB/T 41589-2022, IEC 61851-1,  
IEC 62752-2016, IEC 62955, CNS 62752-2021

### Automotive Transient Test System



Model: RV series

Test pulse: Pulse 1, 2a, 3a, 3b, 2b, 4, 5a, 5b

EUT capacity: 20A (custom specific on demand)

Compliant standard: ISO 7637-2, ISO 16750-2

### Semiconductor CMTI Tester



Model: CMTI S300

Output voltage: 200V~4000V Front time: tr=20ns

Frequency: 1kHz~1000kHz (continuously adjustable)

Compliant standard: IEC 60747-17:2020



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