

Surge immunity test system SMSUG6.0 Series



Intelligent Lightning Surge Generator is designed for Surge (impact) immunity test requirements with high reliability, intelligent control, user-friendly design and many other features. The object of this product is to establish a common reference for evaluating the immunity of electrical and electronic equipment when subjected to surges and provides a consistent method to assess the immunity of an equipment or system against Surge.

Applications:

Power systems, LED drivers, Lamps & Luminaries, Electric meter industry, Home appliance industry, Automotive electronics, Low voltage electrical, Automation and Control, Instrumentation, Communications industry, Security electronics, Medical devices and the Mobile phone industry, etc. ...

Advance Features

- Surge test system as per fully compliant with the new standards of IEC61000-4-5.
- Easy Programmable operation option by a key setting.
- Built in intelligent coupling- decoupling network.
- Impulse injects the phase angle: asynchronous or 0-360 ° free to set.
- Large 7 Inch Touch Screen Display with intelligent control panel.
- Built-in international standard level parameters and user model parameters option.
- Surge test with fully automatic switching without human operation.
- Built-in RS485, RJ45 & USB interface for remote operation.

Technical Specifications	SMSUG6.0	SMSUG6.0-1-16	SMSUG6.0-3-16
Output Voltage	0.2 ~ 6 kV		
Wave form parameter of Open -circuit voltage	1.2/50 μ s , 0.2~ \pm 6kV		
Wave form parameter of short -circuit current	8 /20 μ s, 0.1~ \pm 3kA		
Surge polarity	Positive / Negative/Asynchronism		
Phase	Synchronism 0°~ 360° selectable / Asynchronism		
Trigger Mode	AUTO/MANUAL/EXTERNAL SIGNAL TRIGGER		
Output impedance	Complex impedance: 2 Ω & 12 Ω		
Coupling path	External CDN from ES-CDN series to be connected	Built-in, Single phase Three line, max 16A	Built-in, Three phase Five line, max 16A
Surge count	1 ~ 9999		
Surge interval	5 ~ 9999 s		
Display Screen	7 Inches TFT color touch screen		
Mains supply	AC 230 V, \pm 10%, 50 Hz /60 Hz		
Communication Mode	RS485, RJ45 & USB		
Ambient Temperature	15°C to 45°C		
Relative Humidity	45%-75%		

CDN Ranges:

Model	Description
ES-CDN-480-1-32	Single phase CDN, 480Vac/600Vdc, max current 32A
ES-CDN-480-3-XXX	Three phase CDN, 480Vac/600Vdc, current ranges 16/32/63/125/200A
ES-CDN-690-3-XXX	Three phase CDN, 690Vac/600Vdc, current ranges 16/32/63/125/200A
ES-CDN-691-3-XXX	Three phase CDN, 690Vac/1000Vdc, current ranges 16/32/63/125/200A

scientific

Scientific Mes-Technik Pvt. Ltd.

B-14, Pologround, Industrial Estate, Indore 452 015, India

☎ 0731-2422330/31/32/33

📄 0731-2422334

✉ sales@scientificindia.com

🏠 www.scientificindia.com



Bengaluru 080-23452635

✉ bangalore@scientificindia.com

Kolkata +917095228811

✉ kolkata@scientificindia.com

Chennai 044-42054180

✉ chennai@scientificindia.com

Mumbai +919850901735

✉ mumbai@scientificindia.com

Gujarat +917567463752

✉ gujarat@scientificindia.com

New Delhi +918889912554

✉ ndelhi@scientificindia.com

Hyderabad +917095228811

✉ hyderabad@scientificindia.com

Pune +919850901735

✉ pune@scientificindia.com