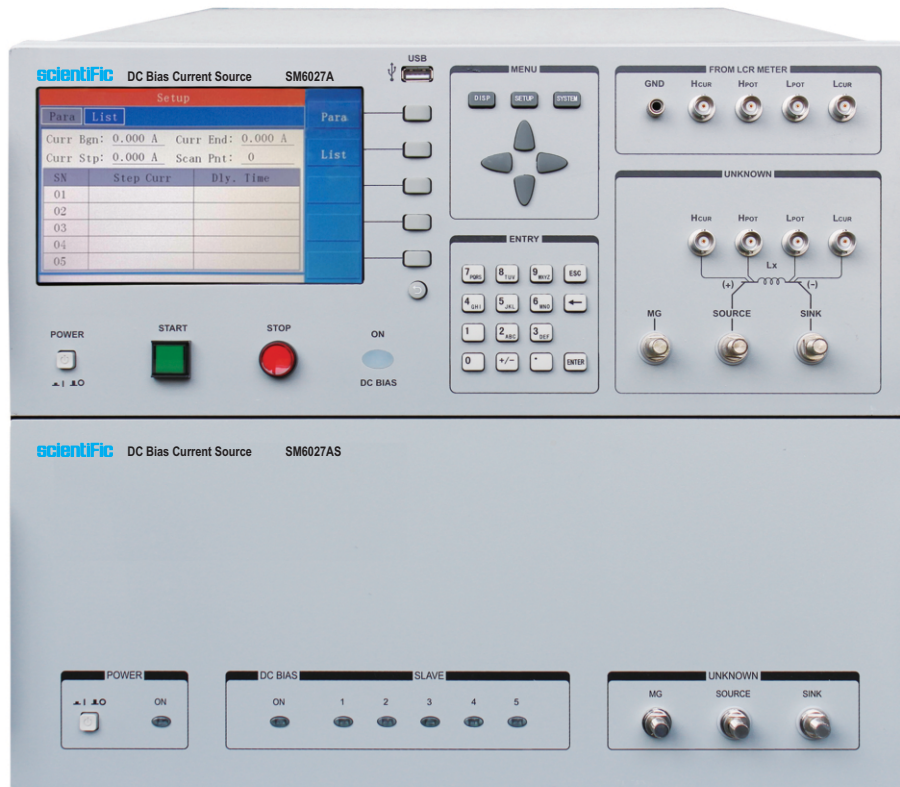


DC Bias Current Source SM6027A & SM6027AS



Features

- Provide 0 to 20A of constant current output for single one
- Support 6 machines at most and reach 120A of constant current output
- Extreme refined current step: when <1A, reach 5mA; when <5A, reach 25mA; when <120A, reach 100mA
- A new generation AC/DC superposition test theory to adapt test requirements for high precision and high frequency
- Current output mode: Single current, Step scan
- Adopting new user friendly graphical operation interface and providing multiple operation practice
- Providing real time operation mode for all parameters and quick settings.
- New file management system with easy, prompt and accurate operation
- Providing two kinds of SCPI command modes with good adaptability
- New foot control mode with 5 control modes
- Excellent tailing capability and extendibility, additional slave superposition depending on the demands
- Offering dual-progress bar indication and corresponding small tools

Technical Specification

Model		SM6027A	SM6027AS
		Master	Slave
Current Step	0 mA to 1.000 A	5 mA	
	1.000 A to 5.000 A	25 mA	
	5.0 A to 120.0 A	100 mA	
Test Frequency		0 Hz to 2 MHz	

Model		SM6027A	SM6027AS
Sweep Adjustment Time	0 mA to 1.000 A	4 ms to 3600 s	
	1.000 A to 5.000 A	10 ms to 3600 s	
	5.0 A to 120.0 A	20 ms to 3600 s	
Minimum Interval of Sweep Adjustment Step	0 mA to 1.000 A	5 mA	
	1.000 A to 5.000 A	25 mA	
	5.0 A to 120.0 A	100 mA	
Range	1.000 A / 5.000 A / 20.0 A (Master)		20.0 A (Slave)
Maximum Output Voltage	35 V (when outputting 1.000 A, for different ranges please refer to the user manual)		
Maximum Permitted DCR	$R_{max} = \frac{V_{max}}{I}$ (Ω) (Calculation of R_{max} , please refer to the description in user manual)		
Maximum Permitted Inductance Value	$L_{max} = \frac{V_{max}}{di/dt}$ (mH) (Calculation of L_{max} , please refer to the description in user manual)		
Range Mode	Auto		
Control Mode for START / STOP	START / STOP entitative key, 4 foot switches, Bus		
Max. Current Time for Continuous Loading	Keeping 2-3h, Continuous output		
Function	Fault self inspection : 99 groups of custom profile management ; Dual progress bar indication : Soft switching of slave machine real time operation : SCPI command set, simple dual display computer.		
General Specification			
Display	480 X 272 16:9 24 bit truecolour TFT LCD		
Operation	Resistor type touch screen + Entitative key + Foot Switch		
Interface	RS232S, Master / Slave		
Input Voltage	AC 220 / 110 V (1 \pm 10%), 50 Hz / 60 Hz (1 \pm 5%)		
Power Consumption	\leq 60VA		
Operating Condition	0°C to 55°C, < 90% RH		
Dimensions	W : 430 x H : 185 x D : 473mm (Single Unit)		
Weight	18kg (Single Unit)		

Subject to change

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