

# DC BIAS Current Source SM6027B



## Features

- Single 0-50A constant current output, can be used as a host or a slave
- Support up to 8 sets of on-line, maximum 400A constant current output
- Master/slave control mode, flexible cutability and expandability
- Precise current stepping
- 1Hz-2MHz frequency response
- Single current, step scanning two current output modes
- Graphical operation
- Two SCPI command modes, strong adaptability
- 5 control modes
- Directly controlled by SM6036 / SM6039 / SM6040 Series

Models		SM6027B
Master Slave		Host/Pragmatic
Operation		Physical Keypad + Footswitch
Range		50A
Current Step	Range	0.1A~50A
	Resolution	0.1A
Measurement Frequency Support		1kHz~2MHz
Current Rise Time		1A/s~20A/s, can be set arbitrarily
Current Fall Time		1A/s~20A/s, can be set arbitrarily
Scanning Adjustment Time		10ms~3600s 20ms~3600s
Minimum step for scanning adjustment		0.01A
Maximum output voltage		16V
Maximum Allowable DC Resistance		$R_{max} = V_{MAX} / I(\Omega)$ ( $\Omega$ ) (For the calculation of Rmax, please refer to the user manual.)
Maximum Allowable Inductance		$L_{max} = V_{MAX} / di/dt$ (mH) (For the calculation of Lmax, please refer to the user manual.)
Start and stop control mode		START/STOP physical keys, bus, footswitch
Continuous loading maximum current time		30 Min

Models		SM6027B
Function		Instrument fault self test, Slave soft switch, Real Time operation, SCPI Instruction set
Interface		RS232, Slaver Link
Working Environment	Normal Operation	0°C~55°C
	Reference Work	23 (±5)°C
	Transportation Environment	0°C~55°C
Humidity	Normal Operation	<90% RH
	Reference Work	<80% RH
	Transportation Environment	<93% RH
Power Supply	Voltage	AC 220V/110V (1 ± 10%)
	Frequency	50Hz/60Hz (1 ± 5%)
	Power	Standby : ≤ 100VA, Fullload : 1.5kVA
Display		7" 800 x 480 RGB, TFT LCD Screen
Dimension (W X H X D)		430 x 177 x 585
Weight		26.5 kg
Accessories		Standard : Mains Cord, Text Fixture

Subject to change

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