



# DC Power Supplies & DC Electronic Loads

# Product Selection Guide

Every Bench.  
Every Engineer.  
Every Day.



## iProgrammable Switching DC Power Supply



### SPS6000X Series

SPS6225X (200 V, 25 A)

SPS6150X (100 V, 50 A)

#### Features and Benefits

- Rated Voltage: 200 V / 100 V
- Rated Current: 25 A / 50 A
- Rated power: 1500 W
- Wide range of output voltage and current values in a high-efficiency powersupply
- CV, CC priority mode selection, better protection of equipment under test
- Load transient recovery time (Load change from 50% to 100%) < 2.5 ms
- Adjustable voltage and current slew rates
- Setting and readback resolution: 10 mV, 10 mA
- User-enabled internal output discharge circuit to accelerate output voltage reduction
- Remote Sense function to decrease lead resistance error
- Local list function with up to 50 steps, USB import list sequence file
- External analog voltage control. Voltage and current monitoring outputs
- OVP, OCP, LPP, OTP protection
- 3.12-inch OLED high-brightness display with a wide viewing angle of 170 degrees
- Equipped with USB, LAN standard communication interface, optional USB-GPIB module
- 44 mm (1U) height, 19" width for convenient rack mounting
- Embedded Web Server offers remote control through a web browser without the need for drivers or additional software

## Programmable DC Electronic Load



### SDL1000X Series

SDL1030X/X-E (300 W)

SDL1020X/X-E (200 W)

#### Features and Benefits

- SDL1020X (Single channel): DC 150 V/30 A, total power up to 200 W
- SDL1030X (Single channel): DC 150 V/30 A, total power up to 300 W
- 4 static modes / Dynamic mode: CC/CV/CR/CP
- CC Dynamic mode: Continuous, pulsed, toggled
- CC Dynamic mode: 25 kHz, CP Dynamic mode: 12.5 kHz, CV Dynamic mode: 0.5 Hz
- Measuring speed of voltage and current: up to 500 kHz
- Adjustable current rise time range: 0.001 A/us~2.5 A/us
- Min. readback resolution: 0.1 mV, 0.1 mA
- Short-circuit, Battery test, CR-LED mode, and factory test functions
- 4-wire SENSE compensation mode function
- List function supports editing as many as 100 steps
- Program function supports 50 groups of steps
- OCP, OVP, OPP, OTP and LRV protection
- External analog control
- Voltage, Current monitoring via 0-10 V
- 3.5 inch TFT-LCD display, capable of displaying multiple parameters and states simultaneously
- Built-in RS232/USB/LAN communication interface, USB-GPIB module (optional)
- Waveform trend chart and ease-to-use file storage and call functions
- Includes PC software: Supports SCPI, LabView driver

## Programmable Switching DC Power Supply



### SPS5000X Series

SPS5161X (160 V, 7.5 A)	SPS5081X (80 V, 15 A)
SPS5162X (160 V, 15 A)	SPS5082X (80 V, 30 A)
SPS5163X (160 V, 22.5 A)	SPS5083X (80 V, 45 A)
SPS5164X (160 V, 7.5 A)	SPS5084X (80 V, 15 A)
SPS5165X (160 V, 7.5 A)	SPS5085X (80 V, 15 A)
SPS5051X (50 V, 10 A)	
SPS5041X (40 V, 30 A)	
SPS5042X (40 V, 60 A)	
SPS5043X (40 V, 90 A)	
SPS5044X (40 V, 30 A)	
SPS5045X (40 V, 30 A)	

#### Features and Benefits

- Rated Output Voltage: 40 V, 50 V, 80 V, 160 V
- Rated Output Power: 180 W, 360 W, 720 W, 1080 W
- Wide range of output voltage and current, high efficiency power supply
- CV, CC priority mode selection, better protection of equipment under test
- Load transient recovery time (Load change from 50~100%) <1 ms
- Adjustable slew rate of output voltage and current
- Setting and readback resolution: 1 mV, 1 mA
- User enabled internal output discharge circuit to accelerate the down programming of the output voltage
- Remote Voltage Sensing
- List function up to 50 steps; can be created from the front panel or by importing list sequence files from a USB memory device
- External analog voltage and resistor control of voltage or current output
- External voltage and current monitoring output
- OVP, OCP, LPP, OTP protection.
- 2.4-inch OLED high brightness liquid crystal display, 170-degree viewing angle
- Standard Interface: USB, LAN, Analog Control Interface
- Optional Interface: USB-GPIB module
- 1/2, 1/3, 1/6 rack mount size
- Embedded Web Server offers remote control through a web browser without the need for the driver or software

## Programmable Linear DC Power Supply



### SPD4000X Series

SPD4323X (6 V/3.2 A, 32 V/3.2 A, 32 V/3.2 A, 6 V/3.2 A)
SPD4121X (15 V/1.5 A, 12 V/10 A, 12 V/10 A, 15 V/1.5 A)
SPD4306X (15 V/1.5 A, 30 V/6 A, 30 V/6 A, 15 V/1 A)

#### Features and Benefits

- Rated voltage: 32 V, 12 V, 30 V; rated output power: 240 W, 285 W, 400 W
- Up to four high-precision power supplies with independent controllable outputs, supporting CH2 and CH3 series and parallel connections
- Clear graphical interface with waveform and timer display modes
- 5-digit voltage and current display with minimum resolution of 1 mV, 1 mA
- Fast output response time: < 50 us
- The high current channel support remote voltage compensation sense function. The maximum compensation voltage is 0.6V
- Overvoltage protection and overcurrent protection or safe and accurate operation
- Equipped with a 4.3-inch TFT-LCD display (480\*272 resolution)
- USB and LAN standard communication
- USB-GPIB module is optional
- Excellent channel density with up to 4 channels in a 3U half rack package
- Internal data storage for setups and parameters
- Embedded Web Server with instrument communication that doesn't require software installation
- Fully SCPI programming command set support as well as a LabView driver for remote control and system automation

## Programmable Linear DC Power Supply



**SPD3303X Series**

SPD3303X-E (10 mv, 10 mA)  
SPD3303X (1 mv, 1 mA)

### Features and Benefits

- 3 independent controlled and isolated outputs, 32 V/3.2 Ax2, 2.5 V/3.3 V/5 V/3.2 Ax 1, total 220 W
- 5 digits Voltage, 4 digits Current Display, Minimum Resolution: 1 mV/1 mA (SPD3303X)
- Supports front panel timing output functions
- 4.3 inch true color TFT- LCD 480x272 display
- 3 types of output modes: independent, series, parallel
- 100 V/120 V/220 V/230 V compatible design to meet the needs of different power grids
- Intelligent temperature-controlled fan, effectively reducing noise
- Clear graphical interface, with the waveform display function
- Internal 5 groups of system parameter save/recall, supports data storage space expansion
- Provides PC software: Easypower, supports SCPI, LabView driver



**SPD3303C Series**

## Programmable Linear DC Power Supply



### SPD1000X Series

SPD1168X (16 V/8 A)  
SPD1305X (30 V/5 A)

### Features and Benefits

- Single path high-precision programmable voltage output  
16 V/8 A, total power up to 128 W  
30 V/5 A, total power up to 150 W
- Stable, reliable, Low ripple and noise < 350 uVrms/3 mVpp; < 2 mArms
- Fast transient response time: < 50 ps
- 5 digit Voltage, 4 digit Current Display, Minimum Resolution: 1 mV/1 mA
- Supports front panel timing output functions
- 2.8 inch true color TFT- LCD 240 \*320 display
- 2 types of output modes Two-wire output mode, 4-wire compensation output mode, Maximum compensation voltage 1 V
- 100/120/220/230 V compatible design to meet the needs of different power grids
- Intelligent temperature-controlled fan reduces noise
- Clear graphical interface, with the waveform display function
- Internal 5 groups of system parameter save/recall
- Includes PC software: Easypower, supports SCPI, LabView driver

SPD3303C (10 mv,10 mA)

### Features and Benefits

- 3 independent controlled and isolated output: 32 V/3.2 Ax2, 2.5 V/3.3 V/5 V/3.2 Ax1, total power 220 W
- Resolution: 10 mV/10 mA
- Supports panel timing output functions
- LED display; 32 V full scale, 4 digits; 3.2 A full scale, 3 digits
- 100 V/120 V/220 V/230 V compatible design, to meet the needs of different power grids
- Intelligent fan for temperature control, effectively reduces noise
- Five groups of internal system parameter storage. Supports data storage space expansion
- Supports SCPI commands 8i USB device interface. Includes PC software



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