

LP Series Linear Programmable DC Power Supply

Models: LP100VDC150W, LP75VDC300W, LP100VDC300W



The LP Series Programmable DC Power Supply is a linear DC power supply featured by its 3U height, ultrahigh resolution and accuracy. SCPI standard communication protocol, flexible match with any other instruments, and integration for testing system of special function.



LP Single Channel



LP Dual Channel



Features

1. Low ripple and noise.
2. High resolution and accuracy (0.1 mV / 0.01 mA).
3. Built-in high-accuracy 5 1/2 digit DC voltmeter.
4. Support for high-accuracy & dynamic programming output.
5. Model LP100VDC300W is dual-channel 75 VDC 2 A output, whereas model LP100VDC150W is 100 VDC 1.5 A output.
6. High brightness vacuum fluorescent display (VFD), four rows of 8-channel simultaneous date output.
7. Dual-channel output can be connected in series or parallel to achieve single channel output (External wiring is required).
8. Operating temperature is up to 50 °C.
9. Smart cooling system, the fan will automatically turn on/off according to temperatures.
10. Support externally triggered input and output (optional).
11. Start-up self diagnosis, software calibration and 19" standard equipment rack design.
12. Use SCPI standard communication protocol.
13. Built-in RS232 communication interface (port).

Arvin Afzar Co.

Test & Measurement Instruments



No.22, Sarmad St. North Sohrevardi Ave. Tehran -IRAN

Tel : +98 21 8874 5982-3 , 8852 9254-5

Fax : +98 21 8874 5984

Email : info@arvinafzarei.com

Web : arvinafzarei.com

MODE	LP100VDC150W	LP100VDC300W	LP75VDC300W
Input Voltage Range	220VAC+10%/110VAC+10%	220VAC+10%/110VAC+10%	220VAC+10%/110VAC+10%
Input Frequency Range	47~63Hz	47~63Hz	47~63Hz
Rated Output Power	150W	300W	300W
Channel	Single Channel	Dual Channel	Dual Channel
Voltage Rated Output	0~100V	0~100V	0~75V
Current Rated Output	0~1.5A	0~1.5A	0~2A
Voltage Load Regulation	<0.02%+2mV	<0.02%+2mV	<0.01%+0.5mV
Current Load Regulation	<0.01%+2mA	<0.01%+2mA	<0.01%+0.5mA
Voltage Setting Regulation	1mV	1mV	1mV
Current Setting Regulation	0.05mA	0.05mA	0.05mA
Voltage Measurement Resolution	0.1mV	0.1mV	0.1mV
Current Measurement Resolution	0.01mA	0.01mA	0.01mA
Voltage Setting Accuracy	0.01%+5mV	0.01%+5mV	0.01%+5mV
Current Setting Accuracy	0.05%+0.5mA	0.05%+0.5mA	0.05%+0.5mA
Voltage Measurement Accuracy	0.2%+12mV	0.2%+12mV	0.02%+12mV
Current Measurement Accuracy	0.05%+2mA	0.05%+2mA	0.05%+2mA
Voltmeter Accuracy	0.02%+5mV	0.02%+5mV	0.02%+5mV
Voltage Ripple	70mVp-p/5mVrms	70mVp-p/5mVrms	70mVp-p/5mVrms
Current Ripple	1mA	1mA	1mA
Temperature Coefficient	300ppm/°C (TYP Value)	300ppm/°C (TYP Value)	300ppm/°C (TYP Value)
Storage Temperature	-20 ~ 70 °C	-20~70°C	-20~70°C
Operating Environment	0~50°C 0~95%RH	0~50°C 0~95%RH	0~50°C 0~95%RH
Cooling	Forced air cooling	Forced air cooling	Forced air cooling
Weight	12.2kg	19.2kg	19.2kg
Dimension (W X H X D)	482.0x133.0x477.0 mm	482.0x133.0x477.0 mm	482.0x133.0x477.0 mm
Certification	CE	CE	CE

SP Series: Switch-mode Programmable DC Power Supply



Models: SP32VDC1000W, SP40VDC1000W, SP60VDC1000W, SP75VDC1000W, SP32VDC1200W, SP40VDC1200W, SP60VDC1200W, SP75VDC1200W, SP32VDC1600W, SP40VDC1600W, SP60VDC1500W, SP75VDC1500W, SP40VDC2000W, SP75VDC2000W, SP100VDC2000W, SP120VDC2000W, SP150VDC2000W, SP40VDC3000W, SP75VDC3000W, SP100VDC3000W, SP120VDC3000W, SP150VDC3000W, SP40VDC4000W, SP75VDC4000W, SP150VDC4000W

The SP Series Programmable DC Power Supply is a switch-mode single output programmable DC source with a height of 1U. It is a high-precision programmable DC source using 32 bit D/A & 16 bit A/D sampling circuits, and with a voltage and current resolutions of up to 0.1 mV and 0.2mA, respectively. It supports multi-unit parallel operation mode (maximum 4 units) with a parallel-output. This feature makes the application and test of circuits more convenient and flexible. It also supports in-line (series) operation mode.



above 2000W

below 2000W

Application area:

1. Automated testing sector: can be integrated in the automatic testing system.
2. Communication sector: can be used for the tests of mobile charger and portable power supply.
3. Medical field: can be used for medical device testing or integrated in medical equipment.
4. Automotive sector: support output of modified waveform to simulate the shocks of automobile being hit in a different state.

Features

1. Wide input voltage range (90- 265VAC).
2. High power density, 1U or 2U.
3. Simple Master/Slave and parallel & series mode of operation.
4. With accurate voltage and current measurement capability.
5. High-speed programmable interface.
6. Coded knobs, multifunctional keyboard.
7. Switchable constant voltage (CV) and constant current (CC) operating modes.
8. Functions for gradual rise/drop of voltage.
9. Programmable and multiple ways of setting the voltage/current function.
10. Over-voltage, over-current and over-temperature protections.
11. Built-in communication interface for USB/LAN/RS485/RS232, GPIB is optional above 2000W.
12. Use SCPI standard communication protocol.
13. With standard external interface and remote output. Remote sense line voltage drop compensation.
14. DVM independent measurement functions.

Arvin Afzar Co.

Test & Measurement Instruments



No.22, Sarmad St. North Schrevardi Ave. Tehran -IRAN

Tel : +98 21 8874 5982-3 , 8852 9254-5

Fax : +98 21 8874 5984

Email : info@arvinafzare.com

Web : arvinafzare.com

MODE	SP32VDC1000W
Input Voltage Range	90~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	1300VA(MAX)
Output Voltage Range	0~32V
Output Current Range	0~50A
Output Power Range	0~1000W
Voltage Load Regulation	10mV
Current Load Regulation	12mA
Voltage Display Resolution	0.1mV
Current Display Resolution	0.2mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	2mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Current Readback Accuracy**	0.2%+8mA
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	80mA
Voltage Line Regulation	0.005%+1mV
Current Line Regulation	4mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.02%+5mV
Operating Mode	Constant Voltage (CV) Constant Current (CC)
Remote Compensation	4V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤8ms(No Load) ≤8ms(Full Load)
Response (Voltage Down)	≤ 200 ms (No Load) ≤9ms(Full Load)
Response (Voltage Down)***	≤ 80 ms (No Load)
Load Transient ResponseTime	≤2ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	89%
Communication Mode	RS232/RS485/USB/LAN
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	20A , 125VAC/250VAC , fast-acting type
Net Weight	9.2kg
Accessory Weight	0.8kg
Dimension (W X H X D)	483.0x44.0x531.0 mm / 19.0 x 1.7 x 20.9 inches
Application Environment	Temperature: 0°C~40°C, Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP40VDC1000W
Input Voltage Range	90~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	1300VA(MAX)
Output Voltage Range	0~40V
Output Current Range	0~40A
Output Power Range	0~1000W
Voltage Load Regulation	10mV
Current Load Regulation	12mA
Voltage Display Resolution	0.1mV
Current Display Resolution	0.2mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	2mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Current Readback Accuracy**	0.2%+8mA
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	80mA
Voltage Line Regulation	0.005%+1mV
Current Line Regulation	4mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.02%+5mV
Operating Mode	Constant Voltage (CV) Constant Current (CC)
Remote Compensation	4V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤8ms(No Load) ≤15ms(Full Load)
Response (Voltage Down)	≤ 200 ms (No Load) ≤15ms(Full Load)
Response (Voltage Down)***	≤ 80 ms (No Load)
Load Transient ResponseTime	≤2ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	90%
Communication Mode	RS232/RS485/USB/LAN
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	20A , 125VAC/250VAC , fast-acting type
Net Weight	9.2kg
Accessory Weight	0.8kg
Dimension (W X H X D)	483.0x44.0x531.0 mm / 19.0 x 1.7 x 20.9 inches
Application Environment	Temperature: 0°C ~40°C , Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP60VDC1000W
Input Voltage Range	90~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	1300VA(MAX)
Output Voltage Range	0~60V
Output Current Range	0~25A
Output Power Range	0~1000W
Voltage Load Regulation	10mV
Current Load Regulation	12mA
Voltage Display Resolution	0.1mV
Current Display Resolution	0.2mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	1mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.1%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Current Readback Accuracy**	0.1%+8mA
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	40mA
Voltage Line Regulation	0.005%+1mV
Current Line Regulation	4mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.02%+5mV
Operating Mode	Constant Voltage (CV) Constant Current (CC)
Remote Compensation	4V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤8ms(No Load) ≤15ms(Full Load)
Response (Voltage Down)	≤ 200 ms (No Load) ≤9ms(Full Load)
Response (Voltage Down)***	≤ 100 ms (No Load)
Load Transient ResponseTime	≤2ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	91%
Communication Mode	RS232/RS485/USB/LAN
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	20A , 125VAC/250VAC , fast-acting type
Net Weight	8.9kg
Accessory Weight	0.8kg
Dimension (W X H X D)	483.0x44.0x531.0 mm / 19.0 x 1.7 x 20.9 inches
Application Environment	Temperature: 0°C~40°C, Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP75VDC1000W
Input Voltage Range	90~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	1300VA(MAX)
Output Voltage Range	0~75V
Output Current Range	0~20A
Output Power Range	0~1000W
Voltage Load Regulation	10mV
Current Load Regulation	12mA
Voltage Display Resolution	0.1mV
Current Display Resolution	0.2mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	1mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.1%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Current Readback Accuracy**	0.1%+8mA
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	40mA
Voltage Line Regulation	0.005%+1mV
Current Line Regulation	4mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.02%+5mV
Operating Mode	Constant Voltage (CV) Constant Current (CC)
Remote Compensation	4V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤8ms(No Load) ≤18ms(Full Load)
Response (Voltage Down)	≤ 250 ms (No Load) ≤10ms(Full Load)
Response (Voltage Down)***	≤ 100ms (No Load)
Load Transient ResponseTime	≤2ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	91%
Communication Mode	RS232/RS485/USB/LAN
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	20A , 125VAC/250VAC , fast-acting type
Net Weight	8.9kg
Accessory Weight	0.8kg
Dimension (W X H X D)	483.0x44.0x531.0 mm / 19.0 x 1.7 x 20.9 inches
Application Environment	Temperature: 0°C ~40°C , Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP32VDC1200W
Input Voltage Range	90~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	1500VA(MAX)
Output Voltage Range	0~32V
Output Current Range	0~50A
Output Power Range	0~1200W
Voltage Load Regulation	10mV
Current Load Regulation	12mA
Voltage Display Resolution	0.1mV
Current Display Resolution	0.2mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	2mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Current Readback Accuracy**	0.2%+8mA
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	80mA
Voltage Line Regulation	0.005%+1mV
Current Line Regulation	4mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.02%+5mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	4V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤8ms(No Load) ≤15ms(Full Load)
Response (Voltage Down)	≤ 150 ms (No Load) ≤ 9ms(Full Load)
Response (Voltage Down)***	≤ 80 ms (No Load)
Load Transient ResponseTime	≤1.5ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	89%
Communication Mode	RS232/RS485/USB/LAN
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	20A , 125VAC/250VAC , fast-acting type
Net Weight	9.2kg
Accessory Weight	0.8kg
Dimension (W X H X D)	483.0x44.0x531.0 mm / 19.0 x 1.7 x 20.9 inches
Application Environment	Temperature: 0°C ~40°C , Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP40VDC1200W
Input Voltage Range	90~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	1500VA(MAX)
Output Voltage Range	0~40V
Output Current Range	0~40A
Output Power Range	0~1200W
Voltage Load Regulation	10mV
Current Load Regulation	12mA
Voltage Display Resolution	0.1mV
Current Display Resolution	0.2mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	2mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Current Readback Accuracy**	0.2%+8mA
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	80mA
Voltage Line Regulation	0.005%+1mV
Current Line Regulation	4mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.02%+5mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	4V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤8ms(No Load) ≤12ms(Full Load)
Response (Voltage Down)	≤ 200 ms (No Load) ≤ 12ms(Full Load)
Response (Voltage Down)***	≤ 80 ms (No Load)
Load Transient ResponseTime	≤1.5ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	90%
Communication Mode	RS232/RS485/USB/LAN
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	20A , 125VAC/250VAC , fast-acting type
Net Weight	9.2kg
Accessory Weight	0.8kg
Dimension (W X H X D)	483.0x44.0x531.0 mm / 19.0 x 1.7 x 20.9 inches
Application Environment	Temperature: 0°C ~40°C , Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP60VDC1200W
Input Voltage Range	90~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	1500VA(MAX)
Output Voltage Range	0~60V
Output Current Range	0~25A
Output Power Range	0~1200W
Voltage Load Regulation	10mV
Current Load Regulation	12mA
Voltage Display Resolution	0.1mV
Current Display Resolution	0.2mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	1mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.1%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Current Readback Accuracy**	0.1%+8mA
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	40mA
Voltage Line Regulation	0.005%+1mV
Current Line Regulation	4mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.02%+5mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	4V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤8ms(No Load) ≤15ms(Full Load)
Response (Voltage Down)	≤ 200 ms (No Load) ≤ 9ms(Full Load)
Response (Voltage Down)***	≤ 100 ms (No Load)
Load Transient ResponseTime	≤1.5ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	91%
Communication Mode	RS232/RS485/USB/LAN
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	20A , 125VAC/250VAC , fast-acting type
Net Weight	8.9kg
Accessory Weight	0.8kg
Dimension (W X H X D)	483.0x44.0x531.0 mm / 19.0 x 1.7 x 20.9 inches
Application Environment	Temperature: 0°C ~40°C , Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP75VDC1200W
Input Voltage Range	90~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	1500VA(MAX)
Output Voltage Range	0~75V
Output Current Range	0~20A
Output Power Range	0~1200W
Voltage Load Regulation	10mV
Current Load Regulation	12mA
Voltage Display Resolution	0.1mV
Current Display Resolution	0.2mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	1mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.1%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Current Readback Accuracy**	0.1%+8mA
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	40mA
Voltage Line Regulation	0.005%+1mV
Current Line Regulation	4mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.02%+5mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	4V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤8ms(No Load) ≤18ms(Full Load)
Response (Voltage Down)	≤ 250 ms (No Load) ≤ 9ms(Full Load)
Response (Voltage Down)***	≤ 100 ms (No Load)
Load Transient ResponseTime	≤1.5ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	91%
Communication Mode	RS232/RS485/USB/LAN
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	20A , 125VAC/250VAC , fast-acting type
Net Weight	8.9kg
Accessory Weight	0.8kg
Dimension (W X H X D)	483.0x44.0x531.0 mm / 19.0 x 1.7 x 20.9 inches
Application Environment	Temperature: 0°C ~40°C , Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP32VDC1600W
Input Voltage Range	90~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	2000VA(MAX)
Output Voltage Range	0~32V
Output Current Range	0~50A
Output Power Range	0~1600W
Voltage Load Regulation	10mV
Current Load Regulation	12mA
Voltage Display Resolution	0.1mV
Current Display Resolution	0.2mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	2mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Current Readback Accuracy**	0.2%+8mA
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	80mA
Voltage Line Regulation	0.005%+1mV
Current Line Regulation	4mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.02%+5mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	4V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤8ms(No Load) ≤10ms(Full Load)
Response (Voltage Down)	≤ 200 ms (No Load) ≤ 9ms(Full Load)
Response (Voltage Down)***	≤ 80 ms (No Load)
Load Transient ResponseTime	≤1.5ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	89%
Communication Mode	RS232/RS485/USB/LAN
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	30A , 125VAC/250VAC , fast-acting type
Net Weight	9.2kg
Accessory Weight	0.8kg
Dimension (W X H X D)	483.0x44.0x531.0 mm / 19.0 x 1.7 x 20.9 inches
Application Environment	Temperature: 0°C ~40°C , Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP40VDC1600W
Input Voltage Range	90~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	2000VA(MAX)
Output Voltage Range	0~40V
Output Current Range	0~40A
Output Power Range	0~1600W
Voltage Load Regulation	10mV
Current Load Regulation	12mA
Voltage Display Resolution	0.1mV
Current Display Resolution	0.2mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	2mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Current Readback Accuracy**	0.2%+8mA
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	80mA
Voltage Line Regulation	0.005%+1mV
Current Line Regulation	4mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.02%+5mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	4V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤8ms(No Load) ≤10ms(Full Load)
Response (Voltage Down)	≤ 200 ms (No Load) ≤ 9ms(Full Load)
Response (Voltage Down)***	≤ 80 ms (No Load)
Load Transient ResponseTime	≤1.5ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	90%
Communication Mode	RS232/RS485/USB/LAN
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	30A , 125VAC/250VAC , fast-acting type
Net Weight	9.2kg
Accessory Weight	0.8kg
Dimension (W X H X D)	483.0x44.0x531.0 mm / 19.0 x 1.7 x 20.9 inches
Application Environment	Temperature: 0°C ~40°C , Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP60VDC1500W
Input Voltage Range	90~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	1900VA(MAX)
Output Voltage Range	0~60V
Output Current Range	0~25A
Output Power Range	0~1500W
Voltage Load Regulation	10mV
Current Load Regulation	12mA
Voltage Display Resolution	0.1mV
Current Display Resolution	0.2mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	1mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.1%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Current Readback Accuracy**	0.1%+8mA
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	40mA
Voltage Line Regulation	0.005%+1mV
Current Line Regulation	4mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.02%+5mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	4V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤8ms(No Load) ≤10ms(Full Load)
Response (Voltage Down)	≤ 200 ms (No Load) ≤ 9ms(Full Load)
Response (Voltage Down)***	≤ 100 ms (No Load)
Load Transient ResponseTime	≤1.5ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	91%
Communication Mode	RS232/RS485/USB/LAN
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	30A , 125VAC/250VAC , fast-acting type
Net Weight	8.9kg
Accessory Weight	0.8kg
Dimension (W X H X D)	483.0x44.0x531.0 mm / 19.0 x 1.7 x 20.9 inches
Application Environment	Temperature: 0°C ~40°C , Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP75VDC1500W
Input Voltage Range	90~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	1900VA(MAX)
Output Voltage Range	0~75V
Output Current Range	0~20A
Output Power Range	0~1500W
Voltage Load Regulation	10mV
Current Load Regulation	12mA
Voltage Display Resolution	0.1mV
Current Display Resolution	0.2mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	1mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.1%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Current Readback Accuracy**	0.1%+8mA
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	40mA
Voltage Line Regulation	0.005%+1mV
Current Line Regulation	4mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.02%+5mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	4V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤8ms(No Load) ≤18ms(Full Load)
Response (Voltage Down)	≤ 250 ms (No Load) ≤ 9ms(Full Load)
Response (Voltage Down)***	≤ 100 ms (No Load)
Load Transient ResponseTime	≤1.5ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	91%
Communication Mode	RS232/RS485/USB/LAN
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	30A , 125VAC/250VAC , fast-acting type
Net Weight	8.9kg
Accessory Weight	0.8kg
Dimension (W X H X D)	483.0x44.0x531.0 mm / 19.0 x 1.7 x 20.9 inches
Application Environment	Temperature: 0°C ~40°C , Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP40VDC2000W
Input Voltage Range	190~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	2400VA(MAX)
Output Voltage Range	0~40V
Output Current Range	0~60A
Output Power Range	0~2000W
Voltage Load Regulation	15mV
Current Load Regulation	20mA
Voltage Display Resolution	0.1mV
Current Display Resolution	0.1mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	1.5mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Current Readback Accuracy**	0.2%+8mA
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	40mA
Voltage Line Regulation	0.01%+8mV
Current Line Regulation	30mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.05%+15mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	5V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤10ms
Response (Voltage Down)	≤ 200 ms (No Load) ≤ 10ms(Full Load)
Load Transient ResponseTime	≤1.5ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	88%
Communication Mode	1.RS232/RS485/USB/LAN; 2.RS232/RS485/USB/LAN/GPIB
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	20A , 125VAC/250VAC , fast-acting type
Net Weight	13.5kg
Accessory Weight	1.0kg
Dimension (W X H X D)	483.0x87.0x581.0 mm / 19.0 x 3.4 x 22.9 inches
Application Environment	Temperature: 0°C ~50°C , Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Safety Certification	CE/UL/CSA

MODE	SP75VDC2000W
Input Voltage Range	190~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	2400VA(MAX)
Output Voltage Range	0~75V
Output Current Range	0~50A
Output Power Range	0~2000W
Voltage Load Regulation	15mV
Current Load Regulation	20mA
Voltage Display Resolution	0.1mV
Current Display Resolution	0.1mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	1.5mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Current Readback Accuracy**	0.2%+8mA
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	40mA
Voltage Line Regulation	0.01%+8mV
Current Line Regulation	30mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.05%+15mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	5V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤25ms
Response (Voltage Down)	≤ 700 ms (No Load) ≤ 25ms(Full Load)
Load Transient ResponseTime	≤2ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	92%
Communication Mode	1.RS232/RS485/USB/LAN; 2.RS232/RS485/USB/LAN/GPIB
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	20A , 125VAC/250VAC , fast-acting type
Net Weight	13.5kg
Accessory Weight	1.0kg
Dimension (W X H X D)	483.0x87.0x581.0 mm / 19.0 x 3.4 x 22.9 inches
Application Environment	Temperature: 0°C ~50°C , Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Safety Certification	CE/UL/CSA

MODE	SP100VDC2000W
Input Voltage Range	190~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	2300VA(MAX)
Output Voltage Range	0~100V
Output Current Range	0~30A
Output Power Range	0~2000W
Voltage Load Regulation	15mV
Current Load Regulation	15mA
Voltage Display Resolution	1mV
Current Display Resolution	0.1mA
Voltage Programming Resolution	3mV
Current Programming Resolution	1mA
Voltage Setting Accuracy*	0.1%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.1%+15mV
Current Readback Accuracy**	0.2%+8mA
Voltage Ripple	100mVp-p/15mVrms
Current Ripple	30mA
Voltage Line Regulation	0.02%+8mV
Current Line Regulation	30mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.1%+15mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	5V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤10ms
Response (Voltage Down)	≤ 200 ms (No Load) ≤ 12ms(Full Load)
Load Transient ResponseTime	≤1.5ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	92%
Communication Mode	1.RS232/RS485/USB/LAN; 2.RS232/RS485/USB/LAN/GPIB
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	20A , 125VAC/250VAC , fast-acting type
Net Weight	13.5kg
Accessory Weight	1.0kg
Dimension (W X H X D)	483.0x87.0x581.0 mm / 19.0 x 3.4 x 22.9 inches
Application Environment	Temperature: 0°C ~50°C , Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP120VDC2000W
Input Voltage Range	190~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	2300VA(MAX)
Output Voltage Range	0~120V
Output Current Range	0~30A
Output Power Range	0~2000W
Voltage Load Regulation	15mV
Current Load Regulation	15mA
Voltage Display Resolution	1mV
Current Display Resolution	0.1mA
Voltage Programming Resolution	3mV
Current Programming Resolution	1mA
Voltage Setting Accuracy*	0.1%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.1%+15mV
Current Readback Accuracy**	0.2%+8mA
Voltage Ripple	100mVp-p/15mVrms
Current Ripple	30mA
Voltage Line Regulation	0.02%+8mV
Current Line Regulation	30mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.1%+15mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	5V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤20ms
Response (Voltage Down)	≤ 300 ms (No Load) ≤ 18ms(Full Load)
Load Transient ResponseTime	≤1.8ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	92%
Communication Mode	1.RS232/RS485/USB/LAN; 2.RS232/RS485/USB/LAN/GPIB
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	20A , 125VAC/250VAC , fast-acting type
Net Weight	13.5kg
Accessory Weight	1.0kg
Dimension (W X H X D)	483.0x87.0x581.0 mm / 19.0 x 3.4 x 22.9 inches
Application Environment	Temperature: 0°C ~50°C , Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Safety Certification	CE/UL/CSA

MODE	SP150VDC2000W
Input Voltage Range	190~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.98
Input Power	2300VA(MAX)
Output Voltage Range	0~150V
Output Current Range	0~30A
Output Power Range	0~2000W
Voltage Load Regulation	15mV
Current Load Regulation	15mA
Voltage Display Resolution	1mV
Current Display Resolution	0.1mA
Voltage Programming Resolution	3mV
Current Programming Resolution	1mA
Voltage Setting Accuracy*	0.1%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.1%+15mV
Current Readback Accuracy**	0.2%+8mA
Voltage Ripple	100mVp-p/15mVrms
Current Ripple	30mA
Voltage Line Regulation	0.02%+8mV
Current Line Regulation	30mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.1%+15mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	5V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤25ms
Response (Voltage Down)	≤ 1.15s (No Load) ≤ 25ms(Full Load)
Load Transient ResponseTime	≤2ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	93%
Communication Mode	1.RS232/RS485/USB/LAN; 2.RS232/RS485/USB/LAN/GPIB
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	20A , 125VAC/250VAC , fast-acting type
Net Weight	13.5kg
Accessory Weight	1.0kg
Dimension (W X H X D)	483.0x87.0x581.0 mm / 19.0 x 3.4 x 22.9 inches
Application Enironment	Temperature: 0°C ~50°C , Relative Humidity10%~90% (non-condensation) ; Pollution degree2, Installation category II, Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP40VDC3000W
Input Voltage Range	190~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.99
Input Power	3500VA(MAX)
Output Voltage Range	0~40V
Output Current Range	0~100A
Output Power Range	0~3000W
Voltage Load Regulation	20mV
Current Load Regulation	30mA
Voltage Display Resolution	0.1mV
Current Display Resolution	1mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	2mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.5%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Current Readback Accuracy**	0.5%+8mA
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	120mA
Voltage Line Regulation	0.01%+8mV
Current Line Regulation	30mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.05%+15mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	5V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤20ms
Response (Voltage Down)	≤ 400ms(No Load) ≤ 15ms(Full Load)
Load Transient ResponseTime	≤1.8ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	89%
Communication Mode	1.RS232/RS485/USB/LAN; 2.RS232/RS485/USB/LAN/GPIB
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	30A , 125VAC/250VAC , fast-acting type
Net Weight	13.5kg
Accessory Weight	1.0kg
Dimension (W X H X D)	483.0x87.0x581.0 mm / 19.0 x 3.4 x 22.9 inches
Application Environment	Temperature: 0°C~50°C, 2%power derating per °C when temperature above 40°C; Relative Humidity10%~90% (non-condensation) ; Pollution degree2,Installation category II,Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP75VDC3000W
Input Voltage Range	190~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.99
Input Power	3400VA(MAX)
Output Voltage Range	0~75V
Output Current Range	0~50A
Output Power Range	0~3000W
Voltage Load Regulation	15mV
Current Load Regulation	20mA
Voltage Display Resolution	0.1mV
Current Display Resolution	0.1mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	1.5mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Current Readback Accuracy**	0.2%+8mA
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	40mA
Voltage Line Regulation	0.01%+8mV
Current Line Regulation	30mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.05%+15mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	5V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤15ms
Response (Voltage Down)	≤ 700ms(No Load) ≤ 18ms(Full Load)
Load Transient ResponseTime	≤1.5ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	92%
Communication Mode	1.RS232/RS485/USB/LAN; 2.RS232/RS485/USB/LAN/GPIB
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	30A , 125VAC/250VAC , fast-acting type
Net Weight	13.5kg
Accessory Weight	1.0kg
Dimension (W X H X D)	483.0x87.0x581.0 mm / 19.0 x 3.4 x 22.9 inches
Application Environment	Temperature: 0°C~50°C, 2%power derating per °C when temperature above 40°C; Relative Humidity10%~90% (non-condensation) ; Pollution degree2,Installation category II,Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP100VDC3000W
Input Voltage Range	190~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.99
Input Power	3400VA(MAX)
Output Voltage Range	0~100V
Output Current Range	0~30A
Output Power Range	0~3000W
Voltage Load Regulation	15mV
Current Load Regulation	15mA
Voltage Display Resolution	1mV
Current Display Resolution	0.1mA
Voltage Programming Resolution	3mV
Current Programming Resolution	1mA
Voltage Setting Accuracy*	0.1%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.1%+15mV
Current Readback Accuracy**	0.2%+8mA
Voltage Ripple	100mVp-p/15mVrms
Current Ripple	30mA
Voltage Line Regulation	0.02%+8mV
Current Line Regulation	30mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.1%+15mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	5V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤10ms
Response (Voltage Down)	≤ 200ms(No Load) ≤ 10ms(Full Load)
Load Transient ResponseTime	≤1ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	92%
Communication Mode	1.RS232/RS485/USB/LAN; 2.RS232/RS485/USB/LAN/GPIB
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	30A , 125VAC/250VAC , fast-acting type
Net Weight	13.5kg
Accessory Weight	1.0kg
Dimension (W X H X D)	483.0x87.0x581.0 mm / 19.0 x 3.4 x 22.9 inches
Application Environment	Temperature: 0°C~50°C, 2%power derating per °C when temperature above 40°C; Relative Humidity10%~90% (non-condensation) ; Pollution degree2,Installation category II,Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP120VDC3000W
Input Voltage Range	190~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.99
Input Power	3400VA(MAX)
Output Voltage Range	0~120V
Output Current Range	0~30A
Output Power Range	0~3000W
Voltage Load Regulation	15mV
Current Load Regulation	15mA
Voltage Display Resolution	1mV
Current Display Resolution	0.1mA
Voltage Programming Resolution	3mV
Current Programming Resolution	1mA
Voltage Setting Accuracy*	0.1%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.1%+15mV
Current Readback Accuracy**	0.2%+8mA
Voltage Ripple	100mVp-p/15mVrms
Current Ripple	30mA
Voltage Line Regulation	0.02%+8mV
Current Line Regulation	30mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.1%+15mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	5V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤15ms
Response (Voltage Down)	≤ 300ms(No Load) ≤ 12ms(Full Load)
Load Transient ResponseTime	≤1ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	92%
Communication Mode	1.RS232/RS485/USB/LAN; 2.RS232/RS485/USB/LAN/GPIB
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	30A , 125VAC/250VAC , fast-acting type
Net Weight	13.5kg
Accessory Weight	1.0kg
Dimension (W X H X D)	483.0x87.0x581.0 mm / 19.0 x 3.4 x 22.9 inches
Application Environment	Temperature: 0°C~50°C, 2%power derating per °C when temperature above 40°C; Relative Humidity10%~90% (non-condensation) ; Pollution degree2,Installation category II,Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP150VDC3000W
Input Voltage Range	190~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.99
Input Power	3400VA(MAX)
Output Voltage Range	0~150V
Output Current Range	0~30A
Output Power Range	0~3000W
Voltage Load Regulation	15mV
Current Load Regulation	15mA
Voltage Display Resolution	1mV
Current Display Resolution	0.1mA
Voltage Programming Resolution	3mV
Current Programming Resolution	1mA
Voltage Setting Accuracy*	0.1%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.1%+15mV
Current Readback Accuracy**	0.2%+8mA
Voltage Ripple	100mVp-p/15mVrms
Current Ripple	30mA
Voltage Line Regulation	0.02%+8mV
Current Line Regulation	30mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.1%+15mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	5V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤20ms
Response (Voltage Down)	≤ 1.15s(No Load) ≤ 18ms(Full Load)
Load Transient ResponseTime	≤1.5ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	93%
Communication Mode	1.RS232/RS485/USB/LAN; 2.RS232/RS485/USB/LAN/GPIB
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	30A , 125VAC/250VAC , fast-acting type
Net Weight	13.5kg
Accessory Weight	1.0kg
Dimension (W X H X D)	483.0x87.0x581.0 mm / 19.0 x 3.4 x 22.9 inches
Application Environment	Temperature: 0°C~50°C, 2%power derating per °C when temperature above 40°C; Relative Humidity10%~90% (non-condensation) ; Pollution degree2,Installation category II,Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/UL/CSA

MODE	SP40VDC4000W
Input Voltage Range	190~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.99
Input Power	4500VA(MAX)
Output Voltage Range	0~40V
Output Current Range	0~100A
Output Power Range	0~4000W
Voltage Load Regulation	20mV
Current Load Regulation	30mA
Voltage Display Resolution	0.1mV
Current Display Resolution	1mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	2mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.5%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	120mA
Voltage Line Regulation	0.01%+8mV
Current Line Regulation	30mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.05%+15mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	5V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤15ms
Response (Voltage Down)	≤ 400ms(No Load) ≤ 20ms(Full Load)
Load Transient ResponseTime	≤1.5ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	89%
Communication Mode	1.RS232/RS485/USB/LAN; 2.RS232/RS485/USB/LAN/GPIB
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	40A , 125VAC/250VAC , fast-acting type
Net Weight	13.5kg
Accessory Weight	1.0kg
Dimension (W X H X D)	483.0x87.0x581.0 mm / 19.0 x 3.4 x 22.9 inches
Application Environment	Temperature: 0°C ~50°C , 2%power derating per °C when temperature above 40°C ; Relative Humidity10%~90% (non-condensation) ; Pollution degree2,Installation category II,Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/JL/CSA

MODE	SP75VDC4000W
Input Voltage Range	190~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.99
Input Power	4500VA(MAX)
Output Voltage Range	0~75V
Output Current Range	0~60A
Output Power Range	0~4000W
Voltage Load Regulation	15mV
Current Load Regulation	20mA
Voltage Display Resolution	0.1mV
Current Display Resolution	0.1mA
Voltage Programming Resolution	1.5mV
Current Programming Resolution	1.5mA
Voltage Setting Accuracy*	0.05%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.05%+15mV
Voltage Ripple	80mVp-p/7mVrms
Current Ripple	40mA
Voltage Line Regulation	0.01%+8mV
Current Line Regulation	30mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.05%+15mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	5V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤15ms
Response (Voltage Down)	≤ 700ms(No Load) ≤ 15ms(Full Load)
Load Transient ResponseTime	≤1.5ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	91%
Communication Mode	1.RS232/RS485/USB/LAN; 2.RS232/RS485/USB/LAN/GPIB
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	40A , 125VAC/250VAC , fast-acting type
Net Weight	13.5kg
Accessory Weight	1.0kg
Dimension (W X H X D)	483.0x87.0x581.0 mm / 19.0 x 3.4 x 22.9 inches
Application Environment	Temperature: 0°C ~50°C , 2%power derating per °C when temperature above 40°C ; Relative Humidity10%~90% (non-condensation) ; Pollution degree2,Installation category II,Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/JL/CSA

MODE	SP150VDC4000W
Input Voltage Range	190~265VAC
Input Frequency Range	47~63HZ
Power Factor	>0.99
Input Power	4500VA(MAX)
Output Voltage Range	0~150V
Output Current Range	0~30A
Output Power Range	0~4000W
Voltage Load Regulation	15mV
Current Load Regulation	15mA
Voltage Display Resolution	1mV
Current Display Resolution	0.1mA
Voltage Programming Resolution	3mV
Current Programming Resolution	1mA
Voltage Setting Accuracy*	0.1%+15mV
Current Setting Accuracy**	0.2%+8mA
Voltage Readback Accuracy*	0.1%+15mV
Voltage Ripple	100mVp-p/15mVrms
Current Ripple	30mA
Voltage Line Regulation	0.02%+8mV
Current Line Regulation	30mA
Voltage Temperature Coefficient	100ppm/°C (TYP Value)
Current Temperature Coefficient	300ppm/°C (TYP Value)
DVM Resolution	0.1mV
DVM Accuracy	0.1%+15mV
Operating Mode	Constant Voltage (CV)/ Constant Current (CC)
Remote Compensation	5V MAX
Master/Slave Mode	Support for Master/Slave Mode
Response (Voltage Up)	≤8ms
Response (Voltage Down)	≤ 1.15s(No Load) ≤ 15ms(Full Load)
Load Transient ResponseTime	≤1ms
Command Respond Time	50ms
Connection in Series	Support for 4 appliances connected in Master/Slave mode
Connection in Parallel	Support for 4 appliances connected in Master/Slave mode
Efficiency (Full Load)	93%
Communication Mode	1.RS232/RS485/USB/LAN; 2.RS232/RS485/USB/LAN/GPIB
Protection Function	OVP/OCP/OTP/OPP/SCP
Input Fuse	40A , 125VAC/250VAC , fast-acting type
Net Weight	13.5kg
Accessory Weight	1.0kg
Dimension (W X H X D)	483.0x87.0x581.0 mm / 19.0 x 3.4 x 22.9 inches
Application Environment	Temperature: 0°C ~50°C , 2%power derating per °C when temperature above 40°C ; Relative Humidity10%~90% (non-condensation) ; Pollution degree2,Installation category II,Indoor use.
Cooling Mode	Forced air-Cooling
Altitude	2000m
Satey Cetification	CE/JL/CSA

* : %output + offset, when output voltage less than 5V, offset voltage is 30mV.

** : %output + offset, when output current less than 3A, offset current is 20mA.

*** : with FAST FALLING function is on.