







	Output				R	ipple	Resp	onse	
Rated Voltage	Rated Current	Rated Power	Model	Size	Voltage	Current	Voltage increase	Voltage Drop	Certificates
Voltage	Current	600W	SP20VDC600W					≤150ms(No load), ≤20ms(Full load)	CE/RoHs
20V	60A	1000W	SP20VDC1000W	1U 0	40mVp-p/6mVrms	20mA (TYP Value)	≤10ms(No load), ≤10ms(Full load)	≤150ms(No load), ≤15ms(Full load)	CE/RoHs
		1200W	SP20VDC1200W			,		≤150ms(No load), ≤12ms(Full load)	CE/RoHs
		600W	SP32VDC600W				(- 1 1 1 1 1 1 1 1 1	≤150ms(No load), ≤20ms(Full load)	CE/RoHs
	504	1000W	SP32VDC1000W	1U 1	40 1/ // 1/	00 4 (77/27/1)	≤12ms(No load), ≤12ms(Full load)	≤150ms(No load), ≤15ms(Full load)	CE/RoHs/CSA/FCC
	50A	1200W	SP32VDC1200W		40mVp-p/6mVrms	20mA (TYP Value)	-40 (N. I. D40 (F.III. D.	≤150ms(No load), ≤12ms(Full load)	CE/RoHs/CSA/FCC
32V		1600W	SP32VDC1600W	10 0			≤10ms(No load), ≤10ms(Full load)	≤150ms(No load), ≤10ms(Full load)	CE/RoHs/CSA/FCC
		1000W	SPS32VDC1000W	2U 6	60mVn-n/10mVrme	Vp-p/10mVrms 200mA (TYP Value)	\leq 20ms(No load), \leq 40ms(Full load)	≤500ms(No load), ≤45ms(Full load)	CE
	200A	2000W	SP32VDC2000W				\leq 20ms(No load), \leq 30ms(Full load)	≤500ms(No load), ≤30ms(Full load)	CE
	2004	3000W	SP32VDC3000W		оситр ругоштино		≤20ms(No load), ≤20ms(Full load)	≤500ms(No load), ≤25ms(Full load)	CE/RoHs
		4000W	SP32VDC4000W	000W				≤500ms(No load), ≤20ms(Full load)	CE
		600W	SP40VDC600W			20mA (TYP Value)	≤10ms(No load), ≤10ms(Full load)	≤150ms(No load), ≤20ms(Full load)	CE/RoHs
	40A	1000W	SP40VDC1000W	1U 0	40mVp-p/6mVrms			≤150ms(No load), ≤15ms(Full load)	CE/RoHs/CSA/FCC
	4071	1200W	SP40VDC1200W	,	≤150ms(No load), ≤12ms(Full load)		CE/RoHs/CSA/FCC		
40V		1600W	SP40VDC1600W	1U 🕶				≤150ms(No load), ≤10ms(Full load)	CE/RoHs/CSA/FCC
400		1000W	SPS40VDC1000W						CE/RoHs
	120A	2000W	SP40VDC2000W	2U 🜀	40mVp-p/6mVrms	20mA (TYP Value)	≤10ms(No load), ≤10ms(Full load)	≤350ms(No load), ≤10ms(Full load)	CE/RoHs
		3000W	SP40VDC3000W						CE/RoHs
		4000W	SP40VDC4000W					<160(No lead) <00(Full lead)	CE/RoHs
		600W	SP75VDC600W						CE/RoHs/CSA
	25A	1000W	SP75VDC1000W	10 🙆	40mVp-p/6mVrms	10mA (TYP Value)	≤10ms(No load), ≤10ms(Full load)	≤160ms(No load), ≤15ms(Full load)	CE/RoHs/CSA/FCC CE/RoHs/CSA/FCC
75V		1200W	SP75VDC1200W					≤160ms(No load), ≤12ms(Full load) ≤160ms(No load), ≤10ms(Full load)	CE/RoHs/CSA/FCC
	60A	1500W	SP75VDC1500W	0114	40m\/n-n/9m\/rms	10mA (TYP Value)	<15me(No load) <15me(Full load)	, , , ,	
	OUA	4000W	SP80VDC1000W	2 131115(140 10dd), 2 131115(1 dii 10dd)	d), ≤15ms(Full load) ≤450ms(No load), ≤20ms(Full load)	CE/RoHs/CSA/FCC CE			
001/	60A	1000W		2U 4	40mVp-p/6mVrms	10mA (TYP Value)	≤15ms(No load), ≤15ms(Full load)	≤450ms(No load), ≤30ms(Full load)	CE/RoHs
80V	OUA	2000W	SP80VDC2000W SP80VDC3000W						CE/RoHs
			SPS120VDC1000W	2U 4		10mA (TYP Value)	≤20ms(No load), ≤20ms(Full load)	≤350ms(No load), ≤21ms(Full load)	CE/RoHs
		2000W	SP120VDC1000W		80mVp-p/15mVrms				CE/RoHs/CSA/FCC
120V	40A	3000W	SP120VDC3000W						CE/RoHs/CSA/FCC
		4000W	SP120VDC4000W						CE/RoHs
		600W	SP150VDC600W						CE/RoHs
		1000W		0	120	10mA (TVP Value)	<25mc(No load) <25mc(Full load)	≤400ms(No load), ≤32ms(Full load)	CE/RoHs
	10A	1200W	SP150VDC1000W SP150VDC1200W SP150VDC1500W	12Umvp-p/4Umvrms	10mA (TYP Value)	SZOTTIS(NO IOAU), SZOTTIS(FUII IOAU)	24001115(NO 1040), 2321115(Full 1040)	CE/RoHs	
4501/		1500W						CE/RoHs	
150V		1000W	SPS150VDC1000W						CE/RoHs
		2000W	SP150VDC2000W	2U 4		10mA (TVD Value)	<25(No lood) <25(Full lood)	<e00ma(no <2ema(full="" load)="" load)<="" td=""><td>CE/RoHs/CSA/FCC</td></e00ma(no>	CE/RoHs/CSA/FCC
	30A	3000W	SP150VDC3000W	20	80mVp-p/15mVrms	10mA (TYP Value)	≤25ms(No load), ≤25ms(Full load)	≤500ms(No load), ≤25ms(Full load)	CE/RoHs/CSA/FCC
		4000W	SP150VDC4000W						CE/RoHs/CSA/FCC
		600W	SP200VDC600W					≤600ms(No load), ≤50ms(Full load)	CE/RoHs
	0.4	1000W	SP200VDC1000W	1U 🔞	120mVp-p/40mVrms	-p/40mVrms 10mA (TYP Value) ≤30ms(No load),≤30ms(Full load) ≤600ms(No load),≤36ms(Full load)	≤30ms(No load), ≤30ms(Full load)	≤600ms(No load), ≤40ms(Full load)	CE/RoHs
	8A	1200W	SP200VDC1200W					≤600ms(No load), ≤36ms(Full load)	CE/RoHs
200V		1500W	SP200VDC1500W				≤600ms(No load), ≤30ms(Full load)	CE/RoHs	
		1000W	SPS200VDC1000W						CE/RoHs
	24A	2000W	SP200VDC2000W	2U 4	150mVp-p/30mVrms	20mA (TYP Value)	≤30ms(No load), ≤30ms(Full load)	≤500ms(No load), ≤20ms(Full load)	CE/RoHs
		3000W	SP200VDC3000W	20		` ,	(CE/RoHs
		4000W	SP200VDC4000W					.000 (1) 1 1) (7 1)	CE/RoHs
		1000W	SPS600VDC1000W	2U 6	350mVp-p/40mVrms	10mA (TYP Value)	≤60ms(No load), ≤60ms(Full load)	≤800ms(No load), ≤110ms(Full load)	
600V	10A	2000W	SP600VDC2000W					≤800ms(No load), ≤90ms(Full load)	CE/RoHs
		3000W	SP600VDC3000W					≤800ms(No load), ≤75ms(Full load)	CE/RoHs
		4000W	SP600VDC4000W					≤800ms(No load), ≤60ms(Full load)	CE/RoHs
		1000W	SPS800VDC1000W	2U 6	800mVp-p/200mVrms	10mA (TYP Value)	≤60ms(No load) , ≤60ms(Full load)	≤800ms(No load) , ≤60ms(Full load)	CE/RoHs
800V	7.5A	2000W	SP800VDC2000W						CE/RoHs CE/RoHs
		3000W	SP800VDC3000W						
		4000W	SP800VDC4000W						CE/RoHs

Dimensions & Weight



1 423.0x44.0x447.0 mm & 9.2kg



2 423.0x44.0x447.0 mm & 8.9kg



8 423.0x44.0x447.0 mm & 9.3kg



423.0x87.0x469.0 mm & 13.2kg



6 423.0x87.0x514.0 mm & 14.7kg

Features

- Low ripple and noise
- High accuracy and high resolution
- CC and CV working mode switch freely
- Support LIST/SEQUENCE file editing
- OVP/OCP/OPP/OTP/SCP

- Remote compensation
- With external analog control input interface
- Standard USB/LAN/RS485/RS232 communication interface
- Master/Slave parallel and series operation mode for up to 10 units

Optional Information

GPIB communication card & cables

Three-core input cable (Input voltage range 176-265V, only supported on 1U height units)

Front Panel Introduction

1U Power Supply Front Panel



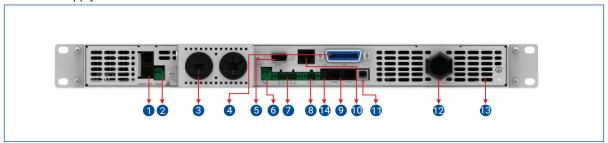
2U Power Supply Front Panel



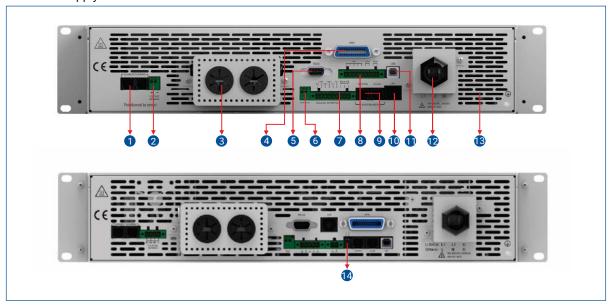
Key	Introduction
0~9	Numeric Key
·	Decimal Point
ESC	Escape
	UP, used for choose menu or increase set value in menu operation
abla	DOWN, used for choose menu or decrease set value in menu operation
Enter	Enter
V-set	Set power supply's output voltage value
I-set	Set power supply's output current-limiting value
Display	Press it to back to the main interface quickly
On/Off	Control ON/OFF of power supply
Menu	Menu
Shift	Work with functional keys to realize multifunction
LOCAL	Panel operation
RECALL	Recall stored setting value of power supply from internal storage
STORE	Store current settings of power supply to storage location
DVM/POWER	Display DVM value and power value

SP Series Back Panel Introduction

1U Power Supply Back Panel



2U Power Supply Back Panel



- AVG1/AVG2 Connector, used for connecting between units to enable current sharing.
- 2 Voltage Remote Supporting Connector (VOLTAGE SENSING): Used to support wire voltage drops.
- 3 DC output terminal: Left (-), Right (+).
- 4 GPIB Communication connector.
- 5 RS-232 Communication connector.
- 6 DVM Connector.
- ANALONG INTERFACE signal connection terminal.
- 8 RS-485 Communication connector.
- 9 SYSTEM BUS control, used for transmission of master and slaves.
- 10 LAN Communication Interface.
- 1 USB Communication Interface.
- AC Power Connection terminal.
- The fan duct outlet.
- Termination resistor for RS485 and CAN Communication.

Note: There is a slight difference between these two kinds of rear panels of 2U units.

Short Mode

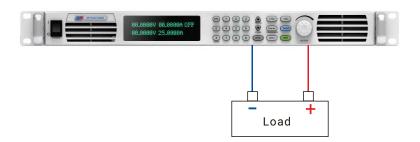
This function is applicable to cable/fuse current carrying capacity test, when activated, the power supply will shutdown the short circuit protection function and maintain ultra-low voltage to output rated current.





Timer Control Function

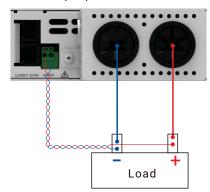
This function is applicable to unattended occasions, activate the timer and the output, the screen will show the countdown of the timer. Once it reaches down to zero, the supply will turn off the output automatically. And the full protection of the power supply will make sure the safe usage of this function.



TIMER 00:05:00 00.0000V 000.000A OFF 12.0000V 009.000A

Remote Compensation Function

This function is applicable to compensate the voltage drop on the load line in order to improve the accuracy of test. In practical applications, even if the voltage drop is negligible, it is best to connect the remote compensation cable to the output terminal. When using the remote compensation functionality, please disconnect the S+, S- from the power supply's output terminal, and connect them to both ends of the DUT. Maximum compensation voltage is up to 5V. The output power need be lower than 1.05% of the rated power after compensation.



External Control Function

This series power supply can offer external voltage/ potentiometers control output, can be controlled by external voltage(0~5V) or external potentiometers(5~10K) in order to remotely adjust the power supply voltage and current regulation settings and the output status of the power supply.

External Voltage Control



External Potentiometer Control

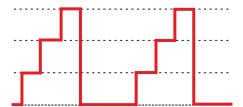


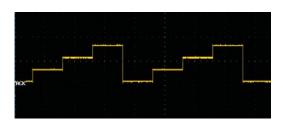
LIST Waveform Editing Function

This series power supply supports 3 kinds of LIST file editing format in order to meet the output elements of different test requirements. The minimum resolution of time setting is 1ms.

Impulse File Format

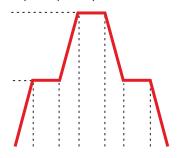
Sets the trend of the output voltage over time and its duration. Set the mode of the output waveform execution as required, LOOP, CONT, STEP.





Slope File Format

Support to set the slope of output voltage, achieve to slowly increase and drop of the output voltage. Set the mode of the output waveform execution as required, LOOP, CONT, STEP.

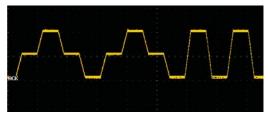




SEQUENCE Waveform Editing function

This function is an upgrade version of the LIST file editing. Its every step is a complete LIST file. It can combine several LIST file and output, meanwhile, it can set the number of repetitions per LIST file and number of executions of the entire SEQUENCE file.





Measure Average Function

Under this mode, if the DUT has a sharp change in voltage and current, the averaging times can be adjusted to be FAST, MEDIUM or SLOW to make the displayed value more stable.

> MEASURE AVERAGE MEAS SPEED = TEETIN

Current Counting Function

This function offers testing of the cutoff time of a breaker or a fuse.

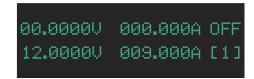
Starts timing when the current reaches the circuit breaker or fuse's fusing current lb, stops timing when disconnected, the timing resolution is up to 200ms.

> V=00.0000V I=00.0000A Ib=10.0000A 00:00:000ms

Quick Recall Function

Support to recall the stored parameters directly by the numeric keys on the front panel.

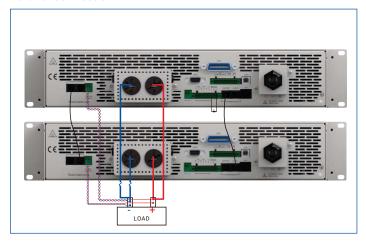
Firstly, user stores the frequently used data in the power supply's memory, press the numeric key directly after entering the quick recall mode, can quick recall the datas which are stored in [1] ~ [9].



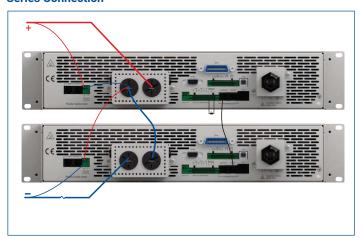
Master/Slave Mode

This series power supply support Master/Slave parallel and series operation mode for up to 10 units, extended power up to 40kW. The current sharing function in parallel mode realizes the equalization of the power supplies in the system, thereby ensuring the extended power without affecting the performance index of the power supply. CAN parallel mode realizes the same dynamic response of the system as single unit, realizing high-speed and non-delayed synchronous response of master and slave.

Parallel Connection

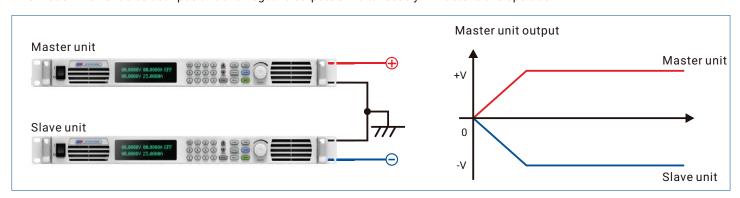


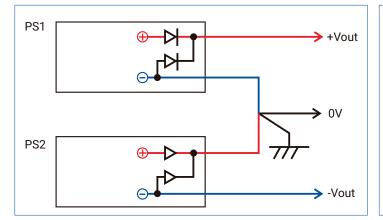
Series Connection

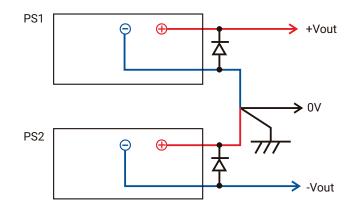


Positive / Negative Voltage Output Mode

This mode which enables both positive and negative outputs simultaneously in master slave operation.





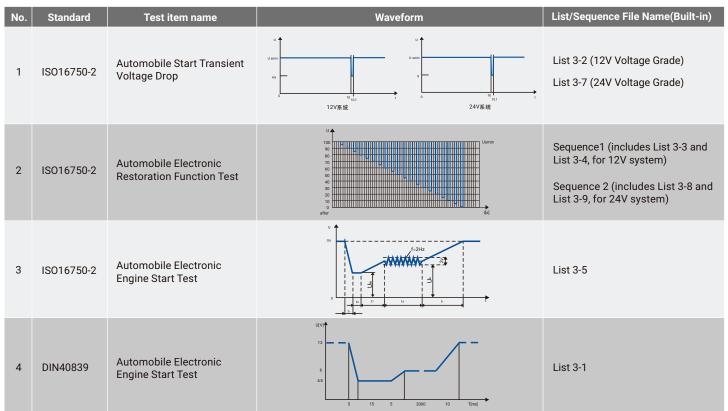


The power supply below 200A has been connected with anti reverse diode, so the external diode isn't needed in the actual connection, and the 200A power supply needs to connect the diode.

Built-in Standard Automobile Electric Test Waveform

It can be used to simulate the transient interference of power supply which may often be encountered in the process of automobile startup and operation. In accordance with industry standards, this series power supply has built-in voltage curves under the DIN40839 and ISO 16750-2 standards for 12V and 24V test grades. User can call the voltage curve directly for testing or edit as desired.

The built-in standard waveform cutline and file names are as below:



Anti reverse irrigation/Power Sink Function

This series power supply has protection against reverse irrigation, so as to cut off the current of DUT in a certain test condition to the direction of power supply, and prevent the damage to the power supply hardware circuit from DUT.



Meanwhile, this series power supply comes standard with short circuit copper sheet, When the test requires the power supply to absorb the spike generated by DUT to ensure the safety of the operation, the short-circuit copper piece can be connected, and the energy is absorbed by the output capacitor inside the power supply and other circuits.



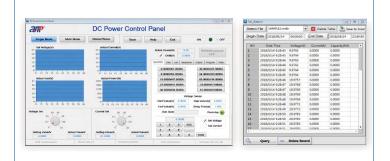
Note: Please consult your sales representative to get detailed information about anti reverse irrigation protection for power supply models above 200A.

Monitoring Software

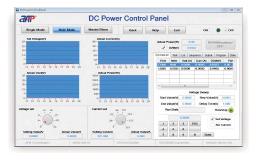
All power supplies come standard with graphical monitoring software, which supports all communication interfaces and covers almost all functions of the power supply front panel operation. In the communication selection interface, users can select the communication interface and search for the connected power supply according to the actual connection.



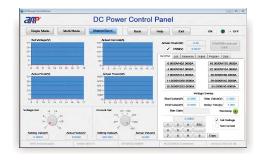
When the communication port has only one power supply connection, it enters the Single Mode interface. Includes the basic settings of voltage and current and measurement function, and List waveform editing/ saved test data function.



When the communication port has more than one power supply connection, it enters the Multi Mode interface. Supports switching control or display current power supply's settings.



When the communication port connects the power supply that is the Master unit, it enters Master/Slave interface. The Master/Slave interface only maintains communication with the Master unit, and the parameters are synchronously written to the slaves.



WebServer Function

Use can control the power supply on a computer using a web browser.

No need to install the monitoring software, just open web browser and input IP address to control the unit, which can meet basic setting and monitoring requirements.



2000W in 2U(1)

SP32VDC2000W	SP40VDC2000W	SP80VDC2000W	SP120VDC2000W			
	Input					
190~265VAC						
47~63Hz						
>0.98						
2600VA(MAX)	2400VA(MAX)	2400VA(MAX)	2400VA(MAX)			
	Output		·			
0~32V	0~40V	0~80V	0~120V			
0~200A	0~120A	0~60A	0~40A			
0~2000W			'			
30mV	15mV	15mV	15mV			
200mA	120mA	60mA	40mA			
0.1mV	0.1mV	0.1mV	1mV			
1mA	1mA	0.2mA	0.1mA			
1mV	1mV	1.5mV	3mV			
6mA	3mA		1mA			
			0.1%+15mV			
0.1%+200mA	0.1%+120mA	0.1%+60mA	0.1%+40mA			
0.05%+15mV	0.05%+15mV	0.05%+15mV	0.1%+40ffA			
			0.1%+40mA			
e Ripple ^[2] 60mVp-p		40mVp-p	80mVp-p 15mVrms			
400mA (Full Range)	150mA (Full Range)	50mA (Full Range)	60mA (Full Range) 10mA (TYP Value)			
, ,	, ,	, ,	0.02%+8mV			
			30mA			
	0.1mV	0.1mV	1mV			
			0.1%+15mV			
		0.00%1101111	0.178.10111			
		AVIMAV	5V MAX			
	4V MAX	4V IVIAA	3V MAX			
≤20ms (no load)	≤10ms	≤15ms	≤20ms			
≤500ms (no load)	≤350ms (no load) ≤10ms (full load)	≤450ms (no load) ≤30ms (full load)	≤350ms (no load) ≤21ms (full load)			
			≤3ms			
	Up to 10 units	Up to 10 units	Up to 8 units			
·	1					
	12V	20V	30V			
			89%			
21.0		0970	0.570			
OVP/OCP/OTP/OPP/SCP/FOLDPACK	Other					
No(customers can purchase other accessories to achieve this function, please consult the	Yes	Yes	Yes			
20A, 125VAC/250VAC,	30A, 125VAC/250VAC,	30A, 125VAC/250VAC,	30A, 125VAC/250VAC, fast-acting type			
			13.2kg/16.8kg 423.0x87.0x469.0 mm			
423.0x87.0x514.0 mm						
·		n degree 2, Installation category II, Indoor	A SOLIT			
	rozo - 30 zorno condensation), Poliutio	ni degree 2, mstanation category II, Indoor	usc.			
	, , , , , , , , , , , , , , , , , , , ,					
Forced air-cooling 2000m	, , ,					
	47~63Hz >0.98 2600VA(MAX) 0~32V 0~200A 0~2000W 30mV 200mA 0.1mV 1mA 1mV 6mA 0.05%+15mV 0.1%+200mA 60mV-p 10mVrms 400mA (Full Range) 200mA (TYP Value) 0.01%+8mV 200mA 100ppm/°C 150ppm/°C 0.1mV 0.05%+15mV Constant voltage (CV) / Constant currenty 4V MAX Yes ≤20ms (no load) ≤30ms (full load) ≤500ms (no load) ≤30ms (full load) ≤500ms (poload) ≤30ms (full load) ≤2ms 50ms Up to 10 units Up to 10 units Up to 10 units 12V 91% OVP/OCP/OTP/OPP/SCP/FOLDBACK No(customers can purchase other accessories to achieve this function, please consult the salesrepresentative for details) 20A, 125VAC/250VAC, fast-acting type 14.7kg/18.7kg 423.0x87.0x514.0 mm	190~265VAC	190-265VAC			

^{[1] %}output+offset, when output voltage less than 5V, offset voltage is 30mV.

All specifications are subject to change without notice.

^[2] Vp-p@20MHz, Vrms@1.25MHz.

The 20V/32V/40V/75V models voltage ripple is 50mVp-p/6mVrms @ 1V. For the 600V and 800V models, the voltage ripple from $0\sim5V$ is out of the range show above.

^[3] Arms@1.25MHz, the TYP Value is measured at the rated output voltage with 100% resistive load, and the measured value at full range of output voltage with 100% resistive load is less than the Full Range value.

^{[4] 0~40°}C.

^[5] Time for output voltage to recover within 0.5%(0.75% @800V models) of its rated output for a load change from 10% to 90% of its rated output current. Voltage set point from 10% to 90% of rated output.

^[6] The communication must insulated users from output when using remote control and the output voltage exceeds 800VDC.

^[7] Current Share error le<(lav*2.5% + 5% F.S) A, F.S is the full scale of the current. lav=Isum/n, where lav is average current, Isum is total current and n is number of parallel units. Note: Output voltage must be higher than 30% of maximum output voltage when Current Share function properly.

2000W in 2U(2)

Model	SP150VDC2000W	SP200VDC2000W	SP600VDC2000W	SP800VDC2000W			
		Input					
Input Voltage	190~265VAC						
Input Frequency	47~63Hz						
Power Factor	>0.98						
Input Power	2400VA(MAX)						
	=	Output					
Output Voltage Range	0~150V	0~200V	0~600V	0~800V			
Output Current Range	0~30A	0~24A	0~10A	0~7.5A			
Output Power Range	0~2000W	U Z-FA	010A	0-7.3A			
Voltage Load Regulation	15mV	15mV	30mV	200mV			
Current Load Regulation	30mA	24mA	10mA	20mA			
Voltage Display Resolution	1mV	2-1111/1	Tonia	2011111			
Current Display Resolution	0.1mA						
	3mV	4mV	12mV	24mV			
Voltage Programmable Resolution		41117	IZIIIV	Z4111V			
Current Programmable Resolution Voltage Setting Accuracy [1]	1mA 0.1%+15mV	0.1%+15mV	0.05%+150mV	0.05%+200mV			
Current Setting Accuracy Voltage Measurement Accuracy [1]	0.1%+30mA 0.1%+15mV	0.1%+24mA 0.1%+15mV	0.1%+10mA 0.05%+150mV	0.1%+7.5mA 0.05%+200mV			
Current Measurement Accuracy	0.1%+30mA	0.1%+24mA	0.1%+10mA	0.1%+7.5mA			
Voltage Ripple [2]	40mVp-p 6mVrms	150mVp-p 30mVrms	350mVp-p 40mVrms	800mVp-p 200mVrms			
Current Ripple [3]	60mA (Full Range) 10mA (TYP Value)	50mA (Full Range) 20mA (TYP Value)	25mA (Full Range) 10mA (TYP Value)	25mA (Full Range) 10mA (TYP Value)			
Line Regulation(Voltage)	0.02%+8mV	0.02%+8mV	0.01%+30mV	0.01%+40mV			
Line Regulation(Current)	30mA	30mA	15mA	20mA			
Voltage Temperature Coefficient [4]	100ppm/°C						
Current Temperature Coefficient [4]	150ppm/°C						
DVM Resolution	1mV	1mV	12mV	12mV			
DVM Precision [1]	0.1%+15mV	0.1%+15mV	0.05%+150mV	0.05%+200mV			
Operating Mode	Constant voltage (CV) / Constant cu	rrent (CC)					
Remote Compensation	5V MAX						
Master-slave Control	Yes						
Response (Voltage Increase)	≤25ms	≤30ms	≤60ms	≤60ms			
Response (Voltage Drop)	≤500ms (no load) ≤25ms (full load)	≤500ms (no load) ≤20ms (full load)	≤800ms (no load) ≤90ms (full load)	≤800ms (no load) ≤60ms (full load)			
Load Transient Recovery Time (5)	≤3ms						
Command Response Time	50ms						
Series Capability [6]	Up to 8 units	Up to 6 units	Up to 2 units	Not Recommended			
Parallel Capability	Up to 10 units	op to o unito	Op to Editio				
Current Sharing [7]	40V	50V	200V	250V			
Efficiency (full load)	90%	90%	90%	91%			
Linesaloy (run louu)	30.9	Other					
Protection Function	OVP/OCP/OTP/OPP/SCP/FOLDBA						
Anti Reverse		o.,					
Irrigation Protection	Yes						
Input Fuse	30A, 125VAC/250VAC, fast-acting type	30A, 125VAC/250VAC, fast-acting type	20A, 125VAC/250VAC, fast-acting type	20A, 125VAC/250VAC, fast-acting type			
Unit Weight/Shipping Weight	13.2kg/16.8kg	13.2kg/16.8kg	14.7kg/18.7kg	14.7kg/18.7kg			
Dimensions(WxHxD)	423.0x87.0x469.0 mm 423.0x87.0x469.0 mm 423.0x87.0x514.0 mm						
Communication Modes	1. RS232/RS485/USB/LAN; 2. RS232/RS485/USB/LAN/GPIB						
Operating Environment	Temperature 0~40°C, Relative Humidity 10%~90%(no condensation); Pollution degree 2, Installation category II, Indoor use.						
Cooling Mode	Forced air-cooling						
Altitude	2000m						
Insulation	AC input <->DC output, 4242VDC, AC input <-> PE, 2121VDC						

^{[1] %}output+offset, when output voltage less than 5V, offset voltage is 30mV.

All specifications are subject to change without notice.

 $[\]hbox{\ensuremath{\tt [2]} Vp-p@20MHz, Vrms@1.25MHz.}$

The 20V/32V/40V/75V models voltage ripple is 50mVp-p/6mVrms @ 1V. For the 600V and 800V models, the voltage ripple from 0~5V is out of the range show above.

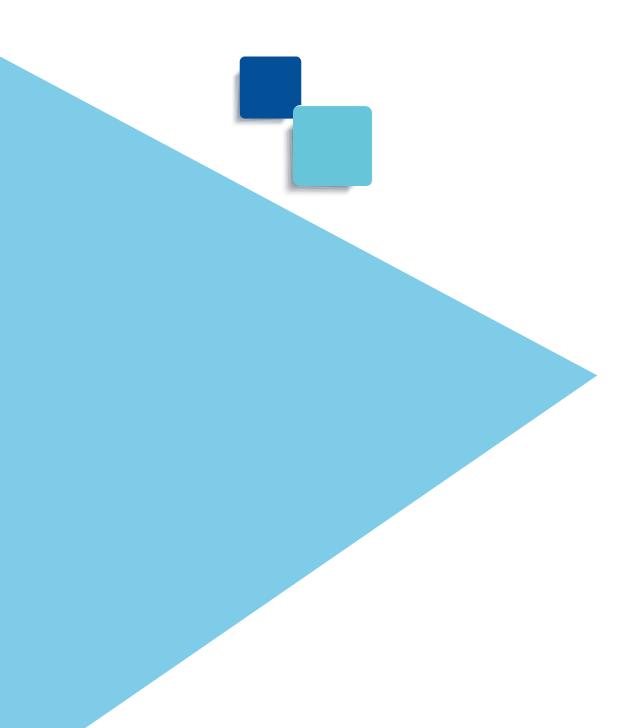
^[3] Arms@1.25MHz, the TYP Value is measured at the rated output voltage with 100% resistive load, and the measured value at full range of output voltage with 100% resistive load is less than the Full Range value.

^{[4] 0~40°}C.

^[5] Time for output voltage to recover within 0.5%(0.75% @800V models) of its rated output for a load change from 10% to 90% of its rated output current. Voltage set point from 10% to 90% of rated output.

^[6] The communication must insulated users from output when using remote control and the output voltage exceeds 800VDC.

^[7] Current Share error le<(lav*2.5% + 5% F.S) A, F.S is the full scale of the current. lav=Isum/n, where lav is average current, Isum is total current and n is number of parallel units. Note: Output voltage must be higher than 30% of maximum output voltage when Current Share function properly.



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