APM Technologies

Product Selection Guide

High Efficiency & High Precision & High Stability

www.apmtechate.com

APM Technologies

Company Profile

APM Technologies is originated in 1989, formally established as a brand in 2012, enterprise capable for R&D, manufacturing, selling and servicing. Our main products are testing power sources and electronic loads, and we also offer solutions and services for customers from various industries. Our products are widely applied in aerospace, electric vehicles, power electronics, intelligent manufacturing, scientific research, education, etc.

With advanced technologies and years of experience, we manage to self-produce precision instruments, sell our products with the brand 'APM'. We keep cooperation with scientific research teams from around the world to explore leading-edge technologies, thus upgrading our product with innovation, keeping our products and services being in the lead.

Our management idea is 'profession, innovation, brand, service', we are dedicated in testing and measurement, to offer better products and services. We aim to become a worldwide power electronic testing solution provider, offer services to customers from all over the world.

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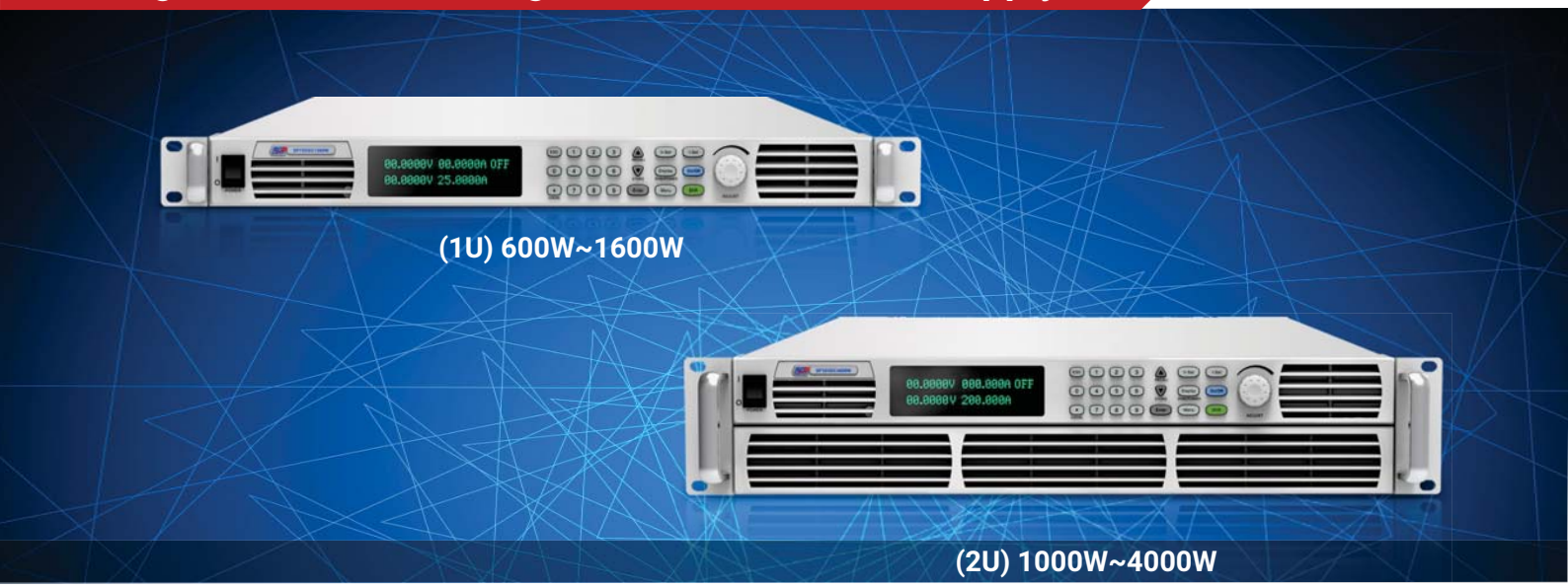
Test System

SP-1U/2U Series
High Performance Programmable DC Power Supply



Product Introduction

APM provides stable DC output and wider range voltage and current. For single unit, current range could reach to 200A. Voltage range could reach to 800V. One unit programmable power supplier could substitute several rectangular power. It could output multiple voltage and current group, timer control function, provide OVP、OCP、OPP、OTP、SCP via front panel or PC. It supports list file function with built-in automotive electronics test waveform. Standard interfaces include RS232、RS485、USB, LAN and GPIB is optional. It could apply in various fields.

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/RS485/RS232 communication interface.
- Master/Slave parallel and series operation mode for up to 10 units.

Quick Selection

	Model	Current	Power	Height
20V	SP20VDC600W	60A	600W	1U
	SP20VDC1000W	60A	1000W	1U
	SP20VDC1200W	60A	1200W	1U

	Model	Current	Power	Height
120V	SPS120VDC1000W	40A	1000W	2U
	SP120VDC2000W	40A	2000W	2U
	SP120VDC3000W	40A	3000W	2U
	SP120VDC4000W	40A	4000W	2U

	Model	Current	Power	Height
32V	SP32VDC600W	50A	600W	1U
	SP32VDC1000W	50A	1000W	1U
	SP32VDC1200W	50A	1200W	1U
	SP32VDC1600W	50A	1600W	1U
	SPS32VDC1000W	200A	1000W	2U
	SP32VDC2000W	200A	2000W	2U
	SP32VDC3000W	200A	3000W	2U
	SP32VDC4000W	200A	4000W	2U

	Model	Current	Power	Height
150V	SP150VDC600W	10A	600W	1U
	SP150VDC1000W	10A	1000W	1U
	SP150VDC1200W	10A	1200W	1U
	SP150VDC1500W	10A	1500W	1U
	SPS150VDC1000W	30A	1000W	2U
	SP150VDC2000W	30A	2000W	2U
	SP150VDC3000W	30A	3000W	2U
	SP150VDC4000W	30A	4000W	2U

	Model	Current	Power	Height
40V	SP40VDC600W	40A	600W	1U
	SP40VDC1000W	40A	1000W	1U
	SP40VDC1200W	40A	1200W	1U
	SP40VDC1600W	40A	1600W	1U
	SPS40VDC1000W	120A	1000W	2U
	SP40VDC2000W	120A	2000W	2U
	SP40VDC3000W	120A	3000W	2U
	SP40VDC4000W	120A	4000W	2U

	Model	Current	Power	Height
200V	SP200VDC600W	8A	600W	1U
	SP200VDC1000W	8A	1000W	1U
	SP200VDC1200W	8A	1200W	1U
	SP200VDC1500W	8A	1500W	1U
	SPS200VDC1000W	24A	1000W	2U
	SP200VDC2000W	24A	2000W	2U
	SP200VDC3000W	24A	3000W	2U
	SP200VDC4000W	24A	4000W	2U

	Model	Current	Power	Height
75V	SP75VDC600W	25A	600W	1U
	SP75VDC1000W	25A	1000W	1U
	SP75VDC1200W	25A	1200W	1U
	SP75VDC1500W	25A	1500W	1U
	SP75VDC4000W	60A	4000W	2U

	Model	Current	Power	Height
600V	SPS600VDC1000W	10A	1000W	2U
	SP600VDC2000W	10A	2000W	2U
	SP600VDC3000W	10A	3000W	2U
	SP600VDC4000W	10A	4000W	2U

	Model	Current	Power	Height
80V	SPS80VDC1000W	60A	1000W	2U
	SP80VDC2000W	60A	2000W	2U
	SP80VDC3000W	60A	3000W	2U

	Model	Current	Power	Height
800V	SPS800VDC1000W	7.5A	1000W	2U
	SP800VDC2000W	7.5A	2000W	2U
	SP800VDC3000W	7.5A	3000W	2U
	SP800VDC4000W	7.5A	4000W	2U

*All specifications are subject to change without notice.

Accessories & Options

Category	Configuration Content
Communication Interface	USB & RS232 & RS485 communication interface (standard)
	LAN communication interface (optional, including communication cable), this accessory must be confirmed when ordering
	GPIB communication interface (optional, including communication cable)
Cable	Three-pin plug input power cable (optional,10A or 16A)
	Input power cable (optional,1.5M)
	USB communication cable (optional)
	Current sharing cable/Parallel cable (optional)

*Only 600W model is standard with three-pin plug input power cable (16A). The rest models are equipped with input power cable (1.5 M). If need extra optional cable, please check if it could meet the requirement of safety standard.

SP-3U/6U Series
Wide-range High-power Programmable DC Power Supply

Product Introduction

This series Wide-range High-power Programmable DC Power Supply adopts high frequency isolation and active PFC design, which makes it can achieve high efficiency at any output point. DSP and FPGA control circuit provides faster but stable internal data computing and response capability. Solar array simulation function provides a unique feature to simulate the output characteristics of a solar panel. Users can select built-in standard automotive power network voltage curves to do the DUT performance test directly according to the demand. Built-in smart 3-stage charging algorithm simulation which is suitable for commonly known types of batteries on the market. List and Step modes can be used for auto sequence output. Built-in RS232, RS485 and USB communication interfaces, LAN&GPIB or CAN communication card is optional.

Features

- Large color touch screen with intuitive interface provides an excellent intuition operational experience.
- 3-phase input voltage meets worldwide power distribution regulation, AC mains 187~305Vac/340~480Vac for optional.
- Constant voltage (CV), constant current (CC) and constant power (CP) operation mode, CC or CV working priority setting.
- Adjustable voltage/current slew rate.
- DDS arbitrary function generator.*
- Solar panel I-V curve simulation function.*
- Smart 3-stage charging algorithm simulation.*
- Battery simulator function.*
- List/ Step mode programming.
- TTL/Analog control and monitoring.
- Built-in standard automotive power network voltage curves.*
- Full protection: OVP, OCP, OPP and OTP protection.
- Supports master-slave mode, paralleling up to 16 units.
- Supports SCPI commands, provides web GUI function.

*Only professional version units support these functions.

Supported Functions Professional Version Only

No.	Description	Application
1	DDS arbitary function generator	Includes a true function generator, built-in typical functions, supports complex waveforms creation, used for testing purposes in development and production
2	Solar panel I-V curve simulation function	Users can set the parameters to simulate I-V curve characteristic output
3	Smart 3-stage charging algorithm simulation	Commonly used charging curve simulation
4	Battery simulator function	Truly simulate the changes of internal resistance of battery in charging and discharging test.
5	Built-in standard automotive power network voltage curves	Users can recall the built-in standard curve to do the DUT performance test directly.

Momentum S Series
Wide-range Programmable DC Power Supply

Product Introduction

Momentum S series is a single output programmable DC power supply with single phase or three phase input options, it supports universal input voltage. With high power density structure design to achieve 10kW output power in 2U model, it can meet higher power requirements through optical fiber parallel. Moreover, it adopts a wide-range output design, which expands the output range of current and voltage at full power output, making it more flexible to use.

High-end appearance with a simple UI touch interface and built-in unique test functions make them to meet the test applications such as system integration testing, battery charging and simulation, automotive electronic testing, solar panel simulation, etc..

Features

- Full touch flip panel design, simple UI interaction interface, easier and faster operation.
- Universal input voltage, single/three-phase input optional.
- High power density structure design, 2U/10kW.
- Wide range output design, full power provides a wider range of voltage and current combinations.
- Optical fiber parallel communication, strong anti-interference, extremely fast transmission, unchanged performance(Optional).
- Adjustable voltage/current slew rate.
- Constant voltage (CV), constant current (CC) and constant power (CP) operation mode, CC or CV working priority setting.
- List/ Step mode programming.
- DDS arbitrary function generator.*
- Solar panel I-V curve simulation function.*
- Smart 3-stage charging algorithm simulation.*
- Battery simulator function.*
- Built-in standard automotive power network voltage curves.*
- TTL/Analog control and monitoring(Optional).
- Supports SCPI commands, provides web GUI function.
- Full protection: OVP, OCP, OPP, OTP and SCP.
- Standard USB communication interface, optional GPIB/LAN& RS232/RS485/CAN.

* Only professional version units support these functions.

Supported Functions Professional Version Only

No.	Description	Application
1	DDS arbitary function generator	Includes a true function generator, built-in typical functions, supports complex waveforms creation, used for testing purposes in development and production
2	Solar panel I-V curve simulation function	Users can set the parameters to simulate I-V curve characteristic output
3	Smart 3-stage charging algorithm simulation	Commonly used charging curve simulation
4	Battery simulator function	Truly simulate the changes of internal resistance of battery in charging and discharging test.
5	Built-in standard automotive power network voltage curves	Users can recall the built-in standard curve to do the DUT performance test directly.

Quick Selection

Model	Voltage	Current	Power	Height
MS80VDC3400W-H	80V	130A	3400W	1/2 2U
MS80VDC3400W	80V	130A	3400W	2U
MS80VDC6800W	80V	260A	6800W	2U
MS80VDC10000W	80V	390A	10000W	2U
MS250VDC3400W-H	250V	55A	3400W	½ 2U
MS250VDC3400W	250V	55A	3400W	2U
MS250VDC6800W	250V	110A	6800W	2U
MS250VDC10000W	250V	165A	10000W	2U
MS500VDC3400W-H	500V	27A	3400W	½ 2U
MS500VDC3400W	500V	27A	3400W	2U
MS500VDC6800W	500V	54A	6800W	2U
MS500VDC10000W	500V	81A	10000W	2U
MS750VDC10000W	750V	55A	10000W	2U
MS1000VDC6800W	1000V	27A	6800W	2U
MS1500VDC10000W	1500V	27A	10000W	2U

*All specifications are subject to change without notice.

Accessories & Options

Category	Configuration Content
Input method *1	1P-220 input (Only for the models 6800W and below)
	3P-208 input
	3P-400 input
Software version	Advanced
	Professional
Communication Interface	USB communication interface (standard)
	RS485 & External control interface (optional)
	RS232 & LAN communication interface (optional, including communication cable)
	GPIB communication interface (optional, including communication cable)
	CAN communication interface (optional)
	Optical fiber parallel card (optional, includes cable)
Cable	USB communication cable (standard)
	Input power cable (optional, 4M or 10M)

*1 It must be confirmed when ordering.

Momentum MS Series
Multi-channel Programmable DC Power Supply

Product Introduction

The Momentum MS series provides multiple isolated channels with up to 3400W of power per channel, and single-phase or three-phase input are available. This series has a flexible modular architecture, and channels can be freely configured according to test requirements to meet customized solutions. The wide-range output design expands the output range of current and voltage at full power output, making it more flexible to use. High-end appearance with a new UI touch interface, built-in software unique test function, high precision and high-speed dynamic response, could offer a complete solution for semiconductor power components and aging, automotive parts, solar energy, batteries and industrial automation and other fields.

Features

- Touch flip panel design, more convenient to operate and more intuitive to display.
- Universal input voltage, single/three-phase input optional.
- Flexible modular architecture, each channel can be freely configured.
- Wide range output design, full power provides a wider range of voltage and current combinations.
- Support multiple channel timing output, support proportional tracking output.
- Optical fiber parallel communication, synchronous/independent control up to 300 channels(Optional).
- Support channel series/parallel connection(Optional).
- Adjustable voltage/current slew rate.
- Constant voltage (CV), constant current (CC) and constant power (CP) operation mode, CC or CV working priority setting.
- List/ Step mode programming.
- DDS arbitrary function generator.*
- Solar panel I-V curve simulation function.*
- Smart 3-stage charging algorithm simulation.*
- Battery simulator function.*
- Built-in standard automotive power network voltage curves.*
- TTL/Analog control and monitoring(Optional).
- Supports SCPI commands, provides web GUI function.
- Full protection: OVP, OCP, OPP, OTP and SCP.
- Standard USB communication interface, optional GPIB/LAN& RS232/RS485/CAN.

* Only professional version units support these functions.

Quick Selection

	Model	Output Voltage	Output Current	Output Power	Height
Single-channel	MSS80VDC3400W	CH1: 80V	CH1: 130A	CH1: 3400W	2U
	MSS250VDC3400W	CH1: 250V	CH1: 55A	CH1: 3400W	2U
	MSS500VDC3400W	CH1: 500V	CH1: 27A	CH1: 3400W	2U

	Model	Output Voltage	Output Current	Output Power	Height
Dual-channel	MSD80/80VDC6800W	CH1: 80V CH2: 80V	CH1: 130A CH2: 130A	CH1: 3400W CH2: 3400W	2U
	MSD80/250VDC6800W	CH1: 80V CH2: 250V	CH1: 130A CH2: 55A	CH1: 3400W CH2: 3400W	2U
	MSD80/500VDC6800W	CH1: 80V CH2: 500V	CH1: 130A CH2: 27A	CH1: 3400W CH2: 3400W	2U
	MSD250/250VDC6800W	CH1: 250V CH2: 250V	CH1: 55A CH2: 55A	CH1: 3400W CH2: 3400W	2U
	MSD250/500VDC6800W	CH1: 250V CH2: 500V	CH1: 55A CH2: 27A	CH1: 3400W CH2: 3400W	2U
	MSD500/500VDC6800W	CH1: 500V CH2: 500V	CH1: 27A CH2: 27A	CH1: 3400W CH2: 3400W	2U

	Model	Output Voltage	Output Current	Output Power	Height
Three-channel	MST80/80/80VDC10000W	CH1: 80V CH2: 80V CH3: 80V	CH1: 130A CH2: 130A CH3: 130A	CH1: 3400W CH2: 3400W CH3: 3400W	2U
	MST80/80/250VDC10000W	CH1: 80V CH2: 80V CH3: 250V	CH1: 130A CH2: 130A CH3: 55A	CH1: 3400W CH2: 3400W CH3: 3400W	2U
	MST80/80/500VDC10000W	CH1: 80V CH2: 80V CH3: 500V	CH1: 130A CH2: 130A CH3: 27A	CH1: 3400W CH2: 3400W CH3: 3400W	2U
	MST80/250/250VDC10000W	CH1: 80V CH2: 250V CH3: 250V	CH1: 130A CH2: 55A CH3: 55A	CH1: 3400W CH2: 3400W CH3: 3400W	2U
	MST80/250/500VDC10000W	CH1: 80V CH2: 250V CH3: 500V	CH1: 130A CH2: 55A CH3: 27A	CH1: 3400W CH2: 3400W CH3: 3400W	2U
	MST80/500/500VDC10000W	CH1: 80V CH2: 500V CH3: 500V	CH1: 130A CH2: 27A CH3: 27A	CH1: 3400W CH2: 3400W CH3: 3400W	2U
	MST250/250/250VDC10000W	CH1: 250V CH2: 250V CH3: 250V	CH1: 55A CH2: 55A CH3: 55A	CH1: 3400W CH2: 3400W CH3: 3400W	2U
	MST250/250/500VDC10000W	CH1: 250V CH2: 250V CH3: 500V	CH1: 55A CH2: 55A CH3: 27A	CH1: 3400W CH2: 3400W CH3: 3400W	2U
	MST250/500/500VDC10000W	CH1: 250V CH2: 500V CH3: 500V	CH1: 55A CH2: 27A CH3: 27A	CH1: 3400W CH2: 3400W CH3: 3400W	2U
	MST500/500/500VDC10000W	CH1: 500V CH2: 500V CH3: 500V	CH1: 27A CH2: 27A CH3: 27A	CH1: 3400W CH2: 3400W CH3: 3400W	2U

*All specifications are subject to change without notice.

Accessories & Options

Category	Configuration Content
Input method *1	1P-220 input (Only for the models single-channel and dual-channel)
	3P-208 input
	3P-400 input
Software version	Advanced
	Professional
Communication Interface	USB communication interface (standard)
	RS485 & External control interface (optional)
	RS232 & LAN communication interface (optional, including communication cable)
	GPIB communication interface (optional, including communication cable)
	CAN communication interface (optional)
	Optical fiber parallel card (optional, includes cable)
Cable	USB communication cable (standard)
	Input power cable (optional, 4M or 10M)
Other	Dual-channel CH1+CH2 parallel function (optional)
	Dual-channel CH1+CH2 series function (optional)
	Three-channel CH1+CH2 parallel function (optional)
	Three-channel CH1+CH2 series function (optional)
	Three-channel CH2+CH3 parallel function (optional)
	Three-channel CH2+CH3 series function (optional)
	Three-channel CH1+CH2+CH3 parallel function (optional)
	Three-channel CH1+CH2+CH3 series function (optional)

*1 It must be confirmed when ordering.

SPS Series
DC Power Supply System

Product Introduction

Built-in voltage and current measurement function could provide wider range voltage and current combination. Single unit could cover range from 12KW to 40KW. Power rang could reach to 2000A and voltage range could reach to 1200V. DC source system can fulfill different kinds of DC power applications. Users can set the output voltage, current arbitrarily. Measure all kinds of features and display on VFD. At the meanwhile, power source provide multi standard interface, simplify and accelerate test development.

Features

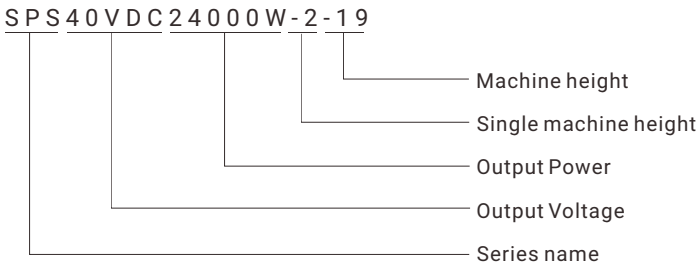
- With accurate voltage and current measurement capability.
- Coded knobs, multifunctional keyboard.
- Standard RS232/RS485/USB interface, LAN and GPIB is optional.
- Remote sensing to compensate for voltage drop in load leads.
- Support CV and CC automatically switch.
- Function of editing List waveform.
- Use SCPI commands.
- CE certified.
- OVP/OCP/OPP/OTP/SCP.

Quick Selection

Output Voltage	13U Cabinet		19U Cabinet			27U Cabinet			
	2 Parallel	3 Parallel	4 Parallel	5 Parallel	6 Parallel	7 Parallel	8 Parallel	9 Parallel	10 Parallel
	8KW	12KW	16KW	20KW	24KW	28KW	32KW	36KW	40KW
32VDC	400A	600A	800A	1000A	1200A	1400A	1600A	1800A	2000A
40VDC	240A	360A	480A	600A	720A	840A	960A	1080A	1200A
75VDC	120A	180A	240A	300A	360A	420A	480A	540A	600A
120VDC	80A	120A	160A	200A	240A	280A	320A	360A	400A
150VDC	60A	90A	120A	150A	180A	210A	240A	270A	300A
200VDC	48A	72A	96A	120A	144A	168A	192A	216A	240A
600VDC	20A	30A	40A	50A	60A	70A	80A	90A	100A
800VDC	15A	22.5A	30A	37.5A	45A	52.5A	60A	67.5A	75A
Output Voltage	**6KW**	**9KW**	**12KW**	**15KW**	**18KW**	**21KW**	**24KW**	**27KW**	**30KW**
80VDC	120A	180A	240A	300A	360A	420A	480A	540A	600A
Output Current	**13U Cabinet**		**19U Cabinet**			**27U Cabinet**			
	2 Series	**3 Series**	**4 Series**	**5 Series**	**6 Series**	**7 Series**	**8 Series**	**9 Series**	**10 Series**
	8KW	**12KW**	**16KW**	**20KW**	**24KW**	**28KW**	**32KW**	**36KW**	**40KW**
200A	64V	96V	128V	160V	192V	224V	256V	288V	320V
120A	80V	120V	160V	200V	240V	280V	320V	360V	400V
60A	150V	225V	300V	375V	450V	525V	600V	675V	750V
40A	240V	360V	480V	600V	720V	840V	960V	1080V	1200V
30A	300V	450V	600V	750V	900V	1050V	1200V	*	*
24A	400V	600V	800V	1000V	1200V	*	*	*	*
10A	1200V	*	*	*	*	*	*	*	*
Output Current	**6KW**	**9KW**	**12KW**	**15KW**	**18KW**	**21KW**	**24KW**	**27KW**	**30KW**
60A	80V	240V	320V	400V	480V	560V	640V	720V	800V

* This formula is the standard cabinet for SP-2U model; it is available to select cabinet with different specification according to exact situation.

* Examples of model names are as follows:



Accessories & Options

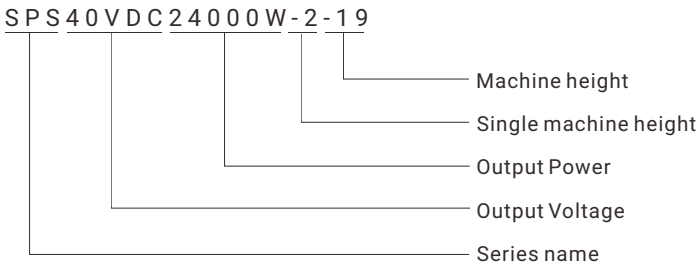
Category	Configuration Content
Communication Interface	USB & RS232 & RS484 communication interface (standard)
	LAN communication interface (optional, including communication cable), this accessory must be confirmed when ordering
	GPIB communication interface (optional, including communication cable)
Cable	RS-232 communication cable (standard)
	USB communication cable (optional)

Quick Selection

Output Voltage	13U Cabinet		19U Cabinet			27U Cabinet			
	2 Parallel	3 Parallel	4 Parallel	5 Parallel	6 Parallel	7 Parallel	8 Parallel	9 Parallel	10 Parallel
	8KW	12KW	16KW	20KW	24KW	28KW	32KW	36KW	40KW
32VDC	400A	600A	800A	1000A	1200A	1400A	1600A	1800A	2000A
40VDC	240A	360A	480A	600A	720A	840A	960A	1080A	1200A
75VDC	120A	180A	240A	300A	360A	420A	480A	540A	600A
120VDC	80A	120A	160A	200A	240A	280A	320A	360A	400A
150VDC	60A	90A	120A	150A	180A	210A	240A	270A	300A
200VDC	48A	72A	96A	120A	144A	168A	192A	216A	240A
600VDC	20A	30A	40A	50A	60A	70A	80A	90A	100A
800VDC	15A	22.5A	30A	37.5A	45A	52.5A	60A	67.5A	75A
Output Voltage	**6KW**	**9KW**	**12KW**	**15KW**	**18KW**	**21KW**	**24KW**	**27KW**	**30KW**
80VDC	120A	180A	240A	300A	360A	420A	480A	540A	600A
Output Current	**13U Cabinet**		**19U Cabinet**			**27U Cabinet**			
	2 Series	**3 Series**	**4 Series**	**5 Series**	**6 Series**	**7 Series**	**8 Series**	**9 Series**	**10 Series**
	8KW	**12KW**	**16KW**	**20KW**	**24KW**	**28KW**	**32KW**	**36KW**	**40KW**
200A	64V	96V	128V	160V	192V	224V	256V	288V	320V
120A	80V	120V	160V	200V	240V	280V	320V	360V	400V
60A	150V	225V	300V	375V	450V	525V	600V	675V	750V
40A	240V	360V	480V	600V	720V	840V	960V	1080V	1200V
30A	300V	450V	600V	750V	900V	1050V	1200V	*	*
24A	400V	600V	800V	1000V	1200V	*	*	*	*
10A	1200V	*	*	*	*	*	*	*	*
Output Current	**6KW**	**9KW**	**12KW**	**15KW**	**18KW**	**21KW**	**24KW**	**27KW**	**30KW**
60A	80V	240V	320V	400V	480V	560V	640V	720V	800V

* This formula is the standard cabinet for SP-2U model; it is available to select cabinet with different specification according to exact situation.

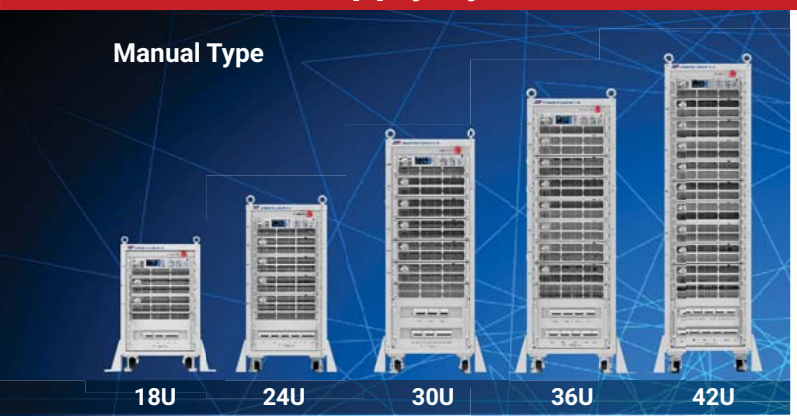
* Examples of model names are as follows:

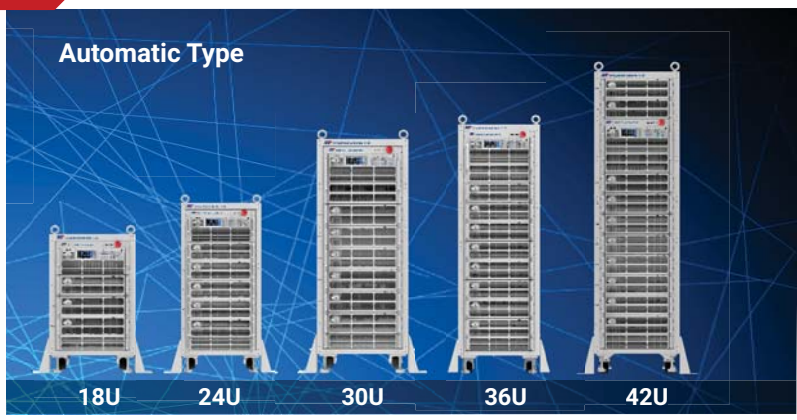


Accessories & Options

Category	Configuration Content
Communication Interface	USB & RS232 & RS485 communication interface (standard)
	LAN communication interface (optional, including communication cable), this accessory must be confirmed when ordering
	GPIB communication interface (optional, including communication cable)
Cable	RS-232 communication cable (standard)
	USB communication cable (optional)

SPS-M/A Series
DC Power Supply System





Product Introduction

The SPS-M/A Series DC Power Supply System supports two series cabinets based on the control mode : SPSM and SPSA. The maximum output voltage and current of a single cabinet is up to 2250V and 3000A respectively. Output power of a single cabinet is up to 180kW. Support master-slave configuration to increase the output capacity to 576kW.

SPSM series cabinets use world famous circuit breaker to control the input of each power module inside. After power on, the specified 3U or 6U height power supply will be configured as a Master to control all of the slave units.

CSP is the Master in SPSA series cabinets, which is equipped with a PDU (Power Distribution Unit) and a CSP (Control & Supervisory Panel). The PDU consolidate microprocessor and management of hundreds of thousand VA AC mains in a 5U/8U height chassis. The CSP will display the input and output parameters of this system. The touchpanel provides a complete, intuitive user interface for users to easily manage all configuration, setup and update. Full protection designs prevent potential injury.

Features

- Large color touch screen, rotary knob and keys provide an excellent operational experience.
- 3-phase input voltage meets worldwide power distribution regulation, AC mains 187~305Vac/340~480Vac for optional.
- Constant voltage (CV), constant current (CC) and constant power (CP) operation mode, CC or CV working priority setting.
- Adjustable voltage/current slew rate.
- Smart 3-stage charging algorithm simulation.
- Full protection: OVP, OCP, OPP and OTP protection.
- Equipped with Emergency Stop, physically off all managed DC power supplies at once.
- Back door with protect switch, safe to the operator.
- List/ Step mode programming.
- Standard RS232/RS485/USB interface, optional LAN & GPIB interface, optional CAN interface.
- SCPI compatible, provide web GUI function.

SPSA Series Advantage

- CSP5/CSP8*, connect with 5units /10 units 3U height DC power supply or 2units /5 units 6U height DC power supply.
- Built-in power meter, to monitor the AC mains parameters such as V, A, Frequency, Power and PF.
- Support efficiency calculation and electrical quantities recording.
- Built-in Timer, allows to set output running time.
- Easy to enable the output of each power supply from the touch screen, sequence On/Off DC power supplies.
- Display the output parameters of each DC power supply in the same system.
- PDU significantly simplifies the wiring for DC power system.
- Use-defined AC input protection parameters such as OVP, UVP, OFP, UFP, OCP and Phase loss.
- Provide web GUI function to monitor & control the CSP via Ethernet.

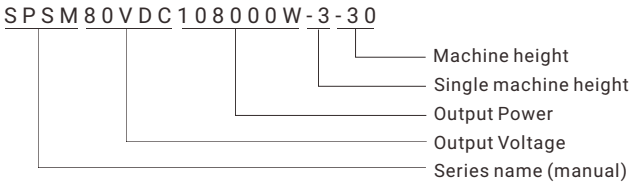
* Even the same model CSP may be configured differently, which is based on the connected DC power supplies.

Quick Selection

Output Voltage	18U Cabinet		24U Cabinet		30U Cabinet	36U Cabinet		42U Cabinet	
	2 Parallel	3 Parallel	4 Parallel	5 Parallel	6 Parallel	7 Parallel	8 Parallel	9 Parallel	10 Parallel
80VDC	36KW	54KW	72KW	90KW	108KW	126KW	144KW	162KW	180KW
	1200A	1800A	2400A	3000A	3000A	3000A	3000A	3000A	3000A
165VDC	24KW	36KW	48KW	60KW	72KW	84KW	96KW	108KW	120KW
	360A	540A	720A	900A	1080A	1260A	1440A	1620A	1800A
250VDC	36KW	54KW	72KW	90KW	108KW	126KW	144KW	162KW	180KW
	360A	540A	720A	900A	1080A	1260A	1440A	1620A	1800A
360VDC	36KW	54KW	72KW	90KW	108KW	126KW	144KW	162KW	180KW
	255A	382.5A	510A	637.5A	765A	892.5A	1020A	1147.5A	1275A
500VDC	36KW	54KW	72KW	90KW	108KW	126KW	144KW	162KW	180KW
	192A	288A	384A	480A	576A	672A	768A	864A	960A
750VDC	36KW	54KW	72KW	90KW	108KW	126KW	144KW	162KW	180KW
	126A	189A	252A	315A	378A	441A	504A	567A	630A
1000VDC	36KW	54KW	72KW	90KW	108KW	126KW	144KW	162KW	180KW
	85A	127.5A	170A	212.5A	255A	297.5A	340A	382.5A	425A
1500VDC	36KW	54KW	72KW	90KW	108KW	126KW	144KW	162KW	180KW
	64A	96A	128A	160A	192A	224A	256A	288A	320A
2250VDC	36KW	54KW	72KW	90KW	108KW	126KW	144KW	162KW	180KW
	42A	63A	84A	105A	126A	147A	168A	189A	210A

*This table is a standardized cabinet configured with 3U models. SP-6U models can achieve capacity expansion up to 576kW. Cabinets of different specifications can be selected according to the actual situation.The maximum current of a standard cabinet is 3000 A. If you have any expansion needs, please contact APM area manager for details.

* Examples of model names are as follows:



System Configuration

SPSM Series Cabinets					
Cabinet Height	18U	24U	30U	36U	42U
Capacity for Power Supplies	9U	15U	18U	24U	30U
Capacity (3U height unit)	3	4~5	4~6	7~8	9~10
Capacity (6U height unit)	1	2	3	4	5
PDU Height	4U	4U	7U	7U	7U
EMS Panel Height	1U	1U	1U	1U	1U
Cabinet Frame	2U	2U	2U	2U	2U
Wiring Height	2U	2U	2U	2U	2U

SPSA Series Cabinets					
Cabinet Height	18U	24U	30U	36U	42U
Capacity for Power Supplies	9U	15U	18U	24U	30U
Capacity (3U height unit)	3	4~5	4~6	7~8	9~10
Capacity (6U height unit)	1	2	3	4	5
CSP Height	5U	5U	8U	8U	8U
Cabinet Frame	2U	2U	2U	2U	2U
Wiring Height	2U	2U	2U	2U	2U

* PDU or CSP will be equipped based on the connected DC power supplies.

Accessories & Options

Category	Configuration Content
Input method *1	3P-208 input
	3P-400 input
Panel Configuration *1	Both master and slave unit display
	Only master unit diplay, slave unit hidden
Software version	Advanced
	Professional
Communication Interface	USB & RS232 & RS485 communication interface (standard)
	GPIB & LAN communication interface (optional, including communication cable)
	CAN communication interface (optional)
	External control interface (optional)
Cable	RS-232 communication cable (standard)
	USB communication cable (optional)

*1 It must be confirmed when ordering.

SP-300 Series
Single-phase Programmable AC Power Supply

Product Introduction

It is a switching mode single-channel output high-precision programmable AC power source, which adopts high speed DSP+CPLD control, high frequency PWM power technology and active PFC design to realize AC/DC stable output. It is featured with high power density, high reliability and high precision, meanwhile it possesses operation interface of touch screen and keys manually. It is able to analog output normal or abnormal input for electrical device to meet test requirements. Meet the verification of power electronics, motors, lighting, automotive electronics research and development quality assurance laboratory, as well as the production test verification of factory production line.

Features

- Large color touch screen with intuitive interface, easy to operate.
- Features AC, DC, AC+DC output modes, AC+DC output mode for voltage DC offset simulation.
- Turn on, turn off phase angle control, 0-359.9°.
- Output frequency: 15-1200Hz, programmable slew rate setting for changing voltage and frequency.
- High output current crest factor which is ideal for inrush current testing.
- Built-in power meter function, can real-time measure 15 electrical parameters such as RMS voltage, current, power, apparent power and etc. This series AC source can measure up to 40 orders of the voltage or current harmonics. Support LIST/PULSE/STEP modes to simulate all kinds of power line disturbance conditions.
- Triac Dimmer function for dimming/governor simulation function.
- Sweep function for efficiency testing and shows voltage and frequency value at max power.
- Multiple current range to make current measurement more accurate.
- Front panel USB interface supports CSV format to import waveform.
- OCP/OVP/OPP/OTP/reverse current protection/short circuit protection.
- Programmable voltage and current limit, support CC mode.
- Support up to 2 units in series, 4 units in parallel.
- Support three phase power output, can simulate three phase unbalanced output.
- Support external analog input control and TTL electrical level output.
- Two versions to meet the cost performance and different applications.

Difference Between Advanced Version and Professional Version

Function description	Advanced Version	Professional Version
Output frequency range	15~1000Hz	15~1200Hz
Built-in IEC standards	IEC 61000-4-11	IEC 61000-4-11; IEC 61000-4-13; IEC 61000-4-14; IEC 61000-4-28
Programmable output impedance	Not supported	Support, meet IEC 61000-3-2/ IEC 61000-3-3 output impedance test requirements
Harmonic/inter-harmonic generation simulation and measurement function	Not supported	Support, the harmonic components can be up to 40 orders

Quick Selection

Model	Voltage	Current	Power	Height
SP300VAC600W	150V/300V	5.6A/2.8A	600VA	2U
SP300VAC1000W	150V/300V	9.2A/4.6A	1000VA	2U
SP300VAC1500W	150V/300V	13.8A/6.9A	1500VA	2U
SP300VAC2000W	150V/300V	16A/8A	2000VA	3U
SP300VAC3000W	150V/300V	27.6A/13.8A	3000VA	4U
SP300VAC4000W	150V/300V	32A/16A	4000VA	4U
SP300VAC5000W	150V/300V	46A/23A	5000VA	4U

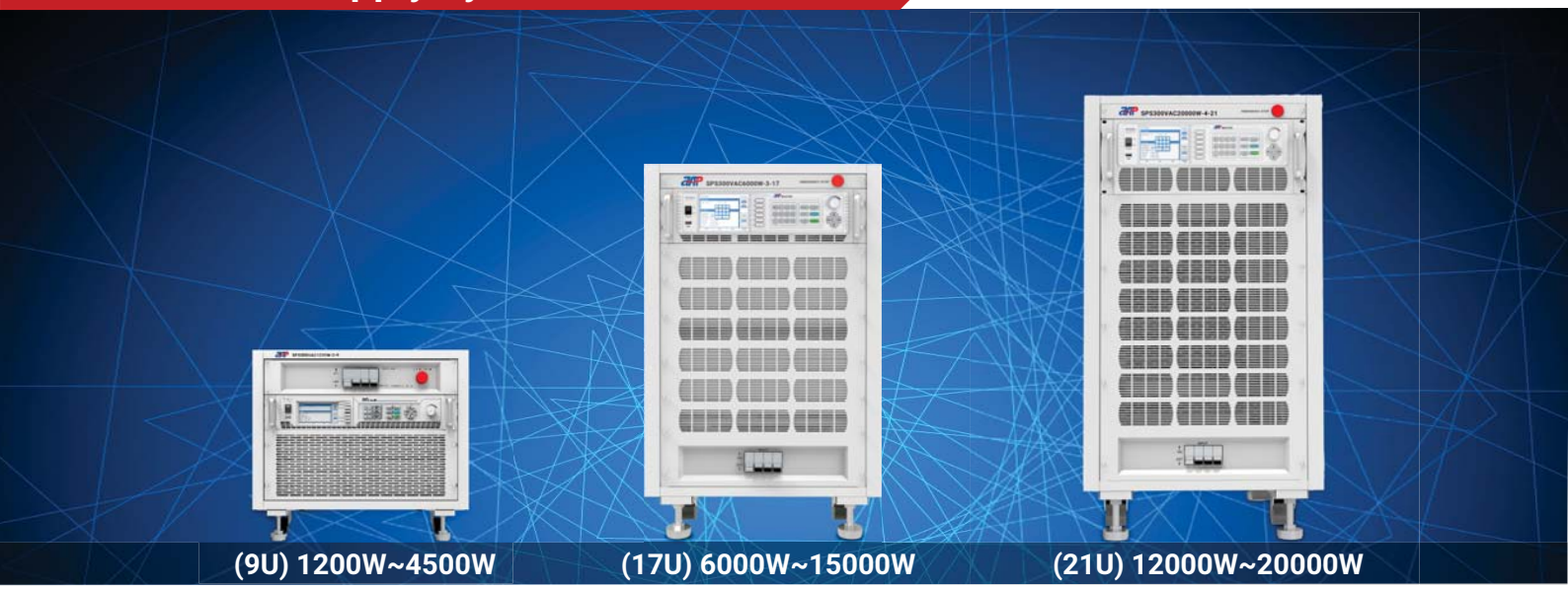
* When the frequency is below 200Hz, the output voltage can reach 320V (only applicable to 3U and 4U models)
*All specifications are subject to change without notice.

Accessories & Options

Category	Configuration Content
Software version	Advanced
	Professional
Communication Interface	USB & RS232 & RS485 communication interface (standard)
	LAN & GPIB communication interface (optional, including communication cable, for 2U model)
	External control (optional, including communication cable, for 2U model)
	Simultaneous (optional, including communication cable, for 2U models)
	GPIB communication interface (optional, including communication cable, for 3U/4U models)
	LAN communication interface (optional, including communication cable, for 3U/4U models)
	Simultaneous & External control (optional, including communication cable, for 3U/4U models)
Cable	RS-232 communication cable (standard)
	USB communication cable (optional)
	Three-pin plug input power cable(optional,10A or 16A)
	Input power cable (optional,1.5M)

*2U models is standard with three-pin plug input power cable (16A). 3U/4U models is standard with input power cable(1.5 M).
If need extra optional cable, please check if it could meet the requirement of safety standard.

SPS-300 Series
AC Power Supply System



Product Introduction

This series AC Power Supply System adopts high speed DSP+CPLD control, high frequency PWM power technology and active PFC design to realize AC/DC stable output, high power up to 20kW.

The user friendly interface allows for quick access to AC source's function through a large graphic LCD display front panel with touch screen or keypad. Can simulate complex AC lines conditions and measure critical product characte-ristics during testing.

Features

- Large touch color screen, possess complete functions and easy to operate.
- AC+DC mixed or independent output mode for voltage DC offset simulation.
- Capable of setting output slope/phase angle, 0~359.9°.
- Output frequency 15~1000Hz, capable of setting output slope of voltage and frequency.
- High output crest factor could satisfy surge tests requirements.
- Multiple current measuring level selection. Increase measurement accuracy.
- Standard USB data interface, support CSV file waveform import.
- OCP/OVP/OPP/OTP/ Short circuit protection.
- Built-in power meter, which is capable of measuring 15 electrical parameters per phase, including voltage, current, power, etc.
- With reverse current protection to avoid current flowing backward.
- Capable of setting voltage and current output restriction, support for constant current output mode.

Quick Selection

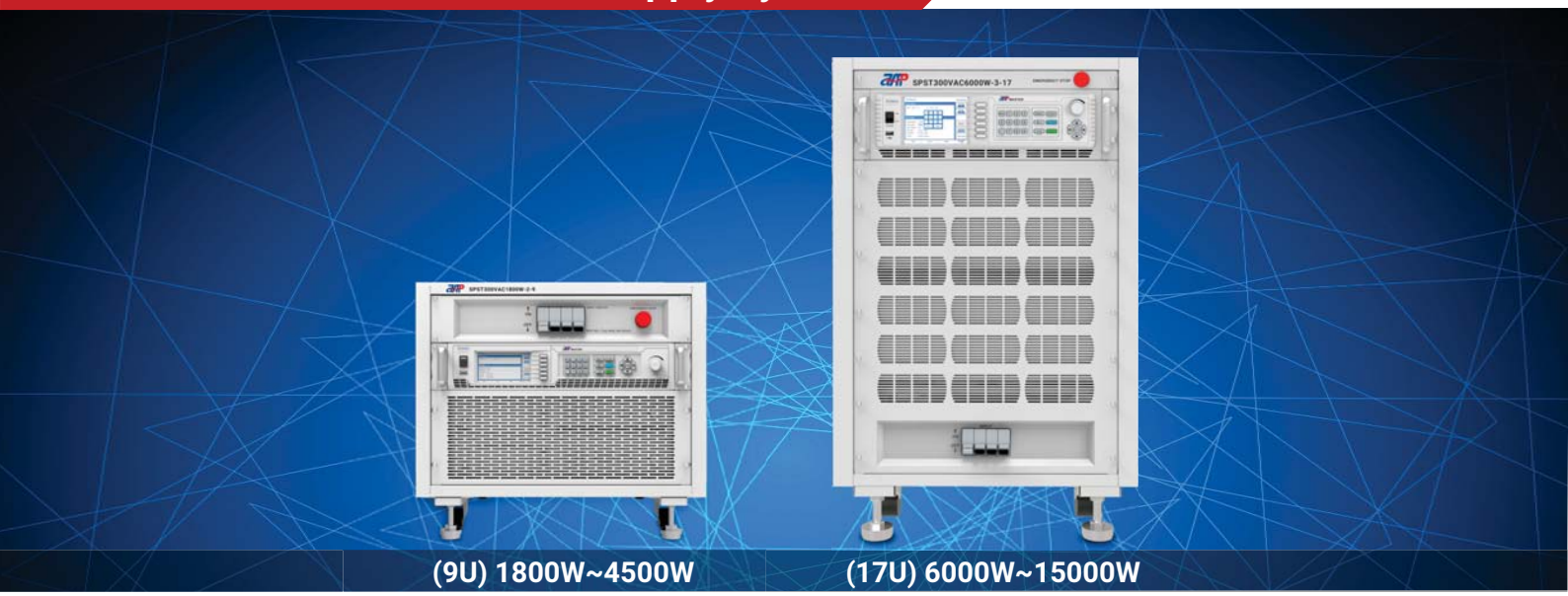
Model	Voltage	Current	Power	Height
SPS300VAC1200W-2-9	150V/300V	10.08A/5.04A	1200VA	9U
SPS600VAC1200W-2-9	300V/600V	5.04A/2.52A	1200VA	9U
SPS300VAC1800W-2-9	150V/300V	15.12A/7.56A	1800VA	9U
SPS300VAC2000W-2-9	150V/300V	15.56A/8.28A	2000VA	9U
SPS600VAC2000W-2-9	300V/600V	8.28A/4.14A	2000VA	9U
SPS300VAC2400W-2-17	150V/300V	20.16A/10.08A	2400VA	17U
SPS300VAC3000W-2-9	150V/300V	24.84A/12.42A	3000VA	9U
SPS600VAC3000W-2-9	300V/600V	12.42A/6.21A	3000VA	9U
SPS300VAC4000W-3-17	150V/300V	28.8A/14.4A	4000VA	17U
SPS300VAC4000W-2-17	150V/300V	33.12A/15.56A	4000VA	17U
SPS600VAC4000W-3-17	300V/600V	14.4A/7.2A	4000VA	17U
SPS300VAC4500W-2-9	150V/300V	37.26A/18.63A	4500VA	9U
SPS300VAC6000W-4-17	150V/300V	49.68A/24.84A	6000VA	17U
SPS300VAC6000W-3-17	150V/300V	43.2A/21.6A	6000VA	17U
SPS300VAC6000W-2-17	150V/300V	49.68A/24.84A	6000VA	17U
SPS600VAC6000W-4-17	300V/600V	24.84A/12.42A	6000VA	17U
SPS300VAC8000W-4-17	150V/300V	57.6A/28.8A	8000VA	17U
SPS300VAC8000W-3-17	150V/300V	57.6A/28.8A	8000VA	17U
SPS600VAC8000W-4-17	300V/600V	28.8A/14.4A	8000VA	17U
SPS300VAC9000W-4-17	150V/300V	74.52A/37.26A	9000VA	17U
SPS300VAC10000W-4-17	150V/300V	82.8A/41.4A	10000VA	17U
SPS600VAC10000W-4-17	300V/600V	41.4A/20.7A	10000VA	17U
SPS300VAC12000W-4-17	150V/300V	86.4A/43.2A	12000VA	17U
SPS300VAC12000W-4-21	150V/300V	99.36A/49.68A	12000VA	21U
SPS300VAC15000W-4-17	150V/300V	124.2A/62.1A	15000VA	17U
SPS300VAC16000W-4-21	150V/300V	115.2A/57.6A	16000VA	21U
SPS300VAC20000W-4-21	150V/300V	165.6A/82.8A	20000VA	21U

*All specifications are subject to change without notice.

Accessories & Options

Category	Configuration Content
Software version	Advanced
	Professional
Communication Interface	USB & RS232 & RS485 communication interface (standard)
	LAN & GPIB communication interface (optional, including communication cable, for system configured with 2U models)
	GPIB communication interface (optional, including communication cable, for system configured with 3U/4U models)
	LAN (optional, including communication cable, for system configured with 3U/4U models)
	External control (optional, including communication cable, for system configured with 2U models)
Cable	RS-232 communication cable (standard)
	USB communication cable (optional)

SPST Series
Linked 3-Phase AC Power Supply System



(9U) 1800W~4500W (17U) 6000W~15000W

Product Introduction

It is a single 3-phase output programmable AC power supply which provides with high power density. With high speed DSP+CPLD control, high frequency PWM technology, active PFC design, It is able to provide not only stable DC/AC output power, but also 3-phase / 1-phase output. It is featured with high power density, high reliability and high precision, meanwhile it possesses operation interface of touch screen and keys manually. It is able to analog output normal or abnormal power input for electrical device to meet test requirements, which is applicable to electric, lighting, aviation sectors, etc. It could be applied to enterprise's production test as well.

Features

- Large touch color screen, possess complete functions and easy to operate.
- AC+DC mixed or independent output mode for voltage DC offset simulation.
- Capable of setting output slope/phase angle, 0~359.9°.
- Output frequency 15~1000Hz, capable of setting output slope of voltage and frequency.
- High output crest factor could satisfy surge tests requirements.
- Multiple current measuring level selection. Increase measurement accuracy.
- Standard USB data interface, support CSV file waveform import.
- OCP/OVP/OPP/OTP/Short circuit protection.
- Built-in power meter, which is capable of measuring 15 electrical parameters per phase, including voltage, current, power, etc.
- With reverse current protection to avoid current flowing backward.
- Capable of setting voltage and current output restriction, support for constant current output mode.

Quick Selection

Model	Output Mode	Voltage	Current	Power	Height
SPST300VAC1800W-2-9	1/3 Phase	150V/300V	5.6A/2.8A	1800VA	9U
SPST300VAC3000W-2-9	1/3 Phase	150V/300V	9.2A/4.6A	3000VA	9U
SPST300VAC4500W-2-9	1/3 Phase	150V/300V	13.8A/6.9A	4500VA	9U
SPST300VAC6000W-3-17	1/3 Phase	150V/300V	16A/8A	6000VA	17U
SPST300VAC9000W-4-17	1/3 Phase	150V/300V	27.6A/13.8A	9000VA	17U
SPST300VAC12000W-4-17	1/3 Phase	150V/300V	32A/16A	12000VA	17U
SPST300VAC15000W-4-17	1/3 Phase	150V/300V	46A/23A	15000VA	17U

*All specifications are subject to change without notice.

Accessories & Options

Category	Configuration Content
Communication Interface	USB & RS232 & RS485 communication interface (standard)
	LAN & GPIB communication interface (optional, including communication cable, for system configured with 2U models)
	GPIB communication interface (optional, including communication cable, for system configured with 3U/4U models)
	LAN (optional, including communication cable, for system configured with 3U/4U models)
Cable	RS-232 communication cable (standard)
	USB communication cable (optional)

EL Series
High-density Programmable DC Electronic Load

Product Introduction

This series High-density Programmable DC Electronic Load provides four voltage ranges 40V/200V/600V/1200V. With industry-leading ultra-high power density technology, 4U height can reach 8.1kW. Supports CV, CC, CR and CP these 4 basic operating modes, as well as CV+CC, CV+CR, CR+CC these 3 complex operating modes. Full protection includings OCP, OPP, OTP, over voltage and reverse alarm. Support external control and monitor mode, the 0 to 10V input or output signal represent 0 to full range voltage or current. Provide OCP test, OPP test and Short circuit simulation to effectively solve the application demands for power and automated testing. Built-in RS232, RS485 and USB communication interfaces, LAN&GPIB communication card is optional. Two or more loads can be connected in master-slave parallel mode to provide more power or current capacity. This series DC load can be applied to battery discharge, DC charging station and power electronics and other electronics products.

Features

- Flippable front panel and color touch screen allow convenient access and operation.
- Provides four kinds of basic working mode such as CV/CC/CR/CP, and CV+CC/CV+CR/CR+CC complex operating modes.
- Adjustable current slew rate, adjustable CV loop speed.
- Ultra high precision voltage & current measurement.
- OCP/OPP testing function.
- 50kHz high-speed CC/CR dynamic mode.
- 500kHz high-speed voltage and current sampling rate.
- Timing & discharging measurement for batteries.
- Short circuit test mode.
- Auto mode function provides an easy way to do complicated test.
- Dynamic frequency sweep function for determining worst case voltage peaks.*
- Supports external analog control function
- V-monitor/I-monitor.
- Full protection: OCP, OPP, OTP, over voltage and reverse alarm.
- Maximum power point tracking.*
- Up to 20 units master/slave parallel control.
- Front panel USB interface supports data import and export.
- SCPI language and standard rack size make it ideal for ATE System integration.
- Smart fan control with lower noise and better for environment.
- Multi versions to meet the cost performance and different applications.

* Only professional Electronic Load units support these functions.

Quick Selection

	Model	Current	Power	Height
40V	EL40VDC3400W	620A	3400W	3U
	EL40VDC4400W	800A	4400W	3U
	EL40VDC5600W	1020A	5600W	3U
	EL40VDC6600W	1200A	6600W	4U

	Model	Current	Power	Height
200V	EL200VDC600W	60A	600W	2U
	EL200VDC1200W	130A	1200W	2U
	EL200VDC1800W	190A	1800W	2U
	EL200VDC2400W	260A	2400W	2U
	EL200VDC3000W	320A	3000W	2U
	EL200VDC3400W	370A	3400W	3U
	EL200VDC4400W	480A	4400W	3U
	EL200VDC5600W	610A	5600W	3U
	EL200VDC6600W	720A	6600W	4U
	EL200VDC8100W	720A	8100W	4U
	EL200VDC8800W	960A	8800W	7U
	EL200VDC10300W	960A	10300W	7U
	EL200VDC11000W	1200A	11000W	7U
	EL200VDC12500W	1200A	12500W	7U
	EL200VDC13200W	1440A	13200W	7U
	EL200VDC14700W	1440A	14700W	7U
	EL200VDC15400W	1680A	15400W	10U
	EL200VDC16900W	1680A	16900W	10U
	EL200VDC17600W	1920A	17600W	10U
	EL200VDC19100W	1920A	19100W	10U
	EL200VDC19800W	2160A	19800W	10U
	EL200VDC21300W	2160A	21300W	10U
	EL200VDC22000W	2400A	22000W	13U
	EL200VDC23500W	2400A	23500W	13U
	EL200VDC24200W	2640A	24200W	13U
	EL200VDC25700W	2640A	25700W	13U
	EL200VDC26400W	2880A	26400W	13U
	EL200VDC27900W	2880A	27900W	13U

*Custom master slave system could extend to 558KW(20 units 27.9KW E-load parallel connect).

*All specifications are subject to change without notice.

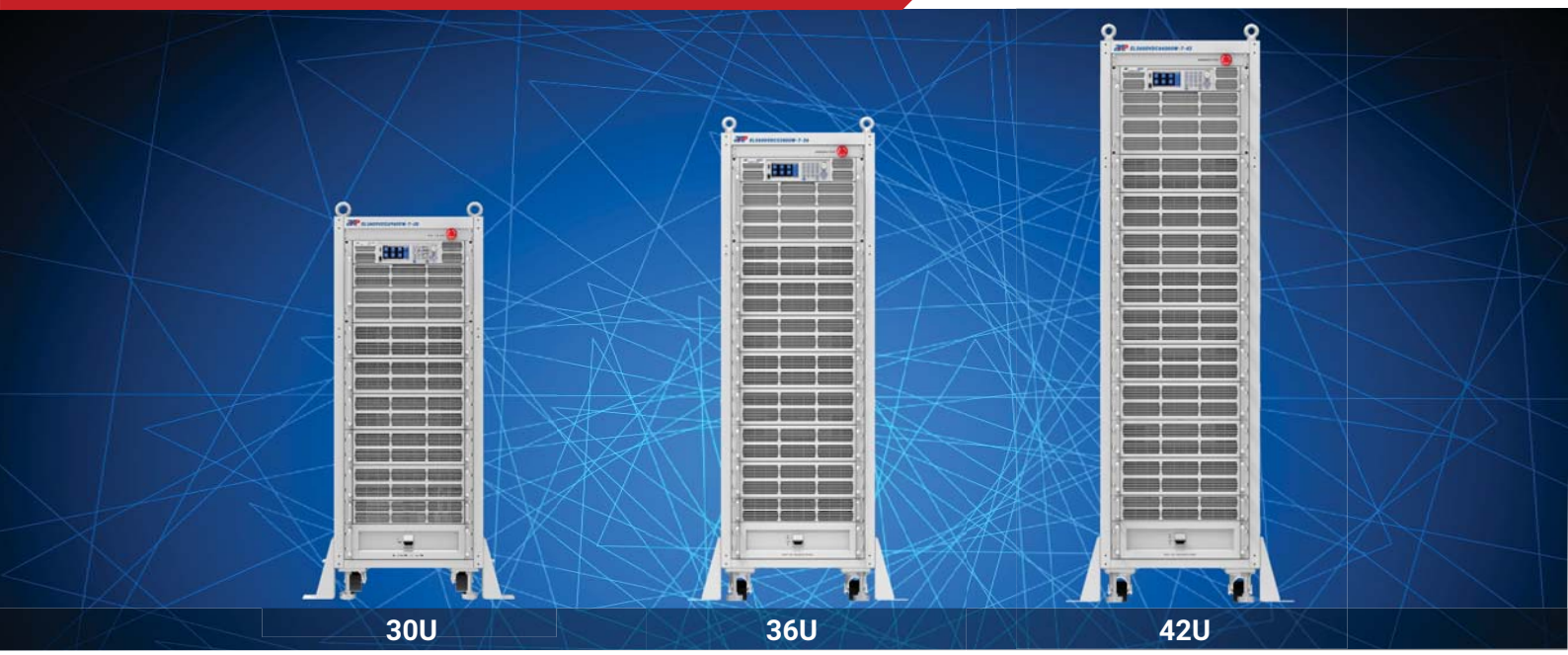
	Model	Current	Power	Height
600V	EL600VDC600W	40A	600W	2U
	EL600VDC1200W	90A	1200W	2U
	EL600VDC1800W	130A	1800W	2U
	EL600VDC2400W	180A	2400W	2U
	EL600VDC3000W	220A	3000W	2U
	EL600VDC3400W	250A	3400W	3U
	EL600VDC4400W	320A	4400W	3U
	EL600VDC5600W	410A	5600W	3U
	EL600VDC6600W	480A	6600W	4U
	EL600VDC8100W	600A	8100W	4U
	EL600VDC8800W	640A	8800W	7U
	EL600VDC10300W	760A	10300W	7U
	EL600VDC11000W	800A	11000W	7U
	EL600VDC12500W	920A	12500W	7U
	EL600VDC13200W	960A	13200W	7U
	EL600VDC14700W	1080A	14700W	7U
	EL600VDC15400W	1120A	15400W	10U
	EL600VDC16900W	1240A	16900W	10U
	EL600VDC17600W	1280A	17600W	10U
	EL600VDC19100W	1400A	19100W	10U
	EL600VDC19800W	1440A	19800W	10U
	EL600VDC21300W	1560A	21300W	10U
	EL600VDC22000W	1600A	22000W	13U
	EL600VDC23500W	1720A	23500W	13U
	EL600VDC24200W	1760A	24200W	13U
	EL600VDC25700W	1880A	25700W	13U
	EL600VDC26400W	1920A	26400W	13U
	EL600VDC27900W	2040A	27900W	13U

	Model	Current	Power	Height
1200V	EL1200VDC1200W	45A	1200W	2U
	EL1200VDC2400W	90A	2400W	2U
	EL1200VDC3400W	125A	3400W	3U
	EL1200VDC4400W	160A	4400W	3U
	EL1200VDC5600W	205A	5600W	3U
	EL1200VDC6600W	240A	6600W	4U
	EL1200VDC8800W	320A	8800W	7U
	EL1200VDC11000W	400A	11000W	7U
	EL1200VDC13200W	480A	13200W	7U
	EL1200VDC15400W	560A	15400W	10U
	EL1200VDC17600W	640A	17600W	10U
	EL1200VDC19800W	720A	19800W	10U
	EL1200VDC22000W	800A	22000W	13U
	EL1200VDC24200W	880A	24200W	13U
	EL1200VDC26400W	960A	26400W	13U

Accessories & Options

Category	Configuration Content
Software version	Advanced
	Professional
Communication Interface	USB & RS232 & RS485 communication interface (standard)
	GPIB & LAN communication interface (optional, including communication cable)
Cable	RS-232 communication cable (standard)
	USB communication cable (optional)
	Voltage/Current output monitoring BNC cable (optional)
	Remote voltage sampling cable (optional)
	Parallel cable (optional)

ELS Series
DC Electronic Load System



Product Introduction

The standardized DC electronic load system is formed with 7U height units. The maximum input current and power of a single cabinet is up to 3000A, 73.5kW. Support master-slave configuration to increase the input capacity to 294kW.

These cabinets use world famous circuit breaker to control the input of DC E-load moudle inside. After power on, the specified unit will be configured as a Master to control all of the slave units. In an emergency off situation the EMS will cut all units in the cabinet from AC supply, ensure safe operation.

Features

- Provides four kinds of basic working mode such as CV/CC/CR/CP, and CV+CC/CV+CR/CR+CC complex operating modes.
- Adjustable current slew rate, adjustable CV loop speed.
- Ultra high precision voltage & current measurement.
- Short circuit test mode.
- Auto mode function provides an easy way to do complicated test.
- V-monitor/I-monitor.
- Full protection: OCP, OPP, OTP, over voltage and reverse alarm.
- Equipped with Emergency Stop, physically off all managed DC eLoads at once.
- Back door with protect switch, safe to the operator.
- Front panel USB interface supports data import and export.
- Using standard SCPI communication protocol.

Quick Selection

Model	Voltage	Current	Power	Height
ELS200VDC39600W-7-30	200V	3000A	39.6kW	30U
ELS200VDC44100W-7-30	200V	3000A	44.1kW	30U
ELS200VDC52800W-7-36	200V	3000A	52.8kW	36U
ELS200VDC58800W-7-36	200V	3000A	58.8kW	36U
ELS200VDC66000W-7-42	200V	3000A	66kW	42U
ELS200VDC73500W-7-42	200V	3000A	73.5kW	42U
ELS600VDC39600W-7-30	600V	2880A	39.6kW	30U
ELS600VDC44100W-7-30	600V	3000A	44.1kW	30U
ELS600VDC52800W-7-36	600V	3000A	52.8kW	36U
ELS600VDC58800W-7-36	600V	3000A	58.8kW	36U
ELS600VDC66000W-7-42	600V	3000A	66kW	42U
ELS600VDC73500W-7-42	600V	3000A	73.5kW	42U
ELS1200VDC39600W-7-30	1200V	1440A	39.6kW	30U
ELS1200VDC52800W-7-36	1200V	1920A	52.8kW	36U
ELS1200VDC66000W-7-42	1200V	2400A	66kW	42U

*This table is a standardized cabinet configured with 7U models, which can be expanded up to 294kW; The maximum current of a standard cabinet is 3000 A. If you have any expansion needs, please contact APM areamanager for details.
*All specifications are subject to change without notice.

System Configuration

Cabinet Height	30U	36U	42U
Capacity for Loads	21U	28U	35U
Capacity (7U height unit)	3	4	5
PDU Height	3U	3U	3U
EMS Panel Height	1U	1U	1U
Cabinet Frame	2U	2U	2U
Reserved	3U	2U	1U

* Above standardized cabinets are configured with 7U loads.

Accessories & Options

Category	Configuration Content
Panel Configuration *1	Both master and slave unit display
	Only master unit diplay, slave unit hidden
Software version	Advanced
	Professional
Communication Interface	USB & RS232 & RS485 communication interface (standard)
	GPIB & LAN communication interface (optional, including communication cable)
Cable	RS-232 communication cable (standard)
	USB communication cable (optional)
	Remote voltage sampling cable (optional)

*1 It must be confirmed w hen ordering

AT-T2000 Series
ATE System

Product Introduction

AT-T2000 ATE sytem adopts hardware modularization built-in frame structure. With APM multiple power supplies, E-load and APM self-control boards, the structure could adjust according to actual test requirement and budget, which provides elasticity and expandability to the system. In the meanwhile, system is compatible with power analyzer, oscilloscope and multimeter from different brands.

▶ Range of application

AC source, DC source, DC E-load, AC/DC power module, DC/DC power module, adapter, charger, LED power source, telecom power source.

Features

- Graphic interface, simple and clear.
- Standard test item, available to expand elastically.
- Module design, easy to maintain.
- High measurement accuracy, stable system operation.
- Support single or multi channel parallel test.
- Multilevel managing privileges setting function.
- User privileges setting function.
- Open software edition platform, available to edit and modify the test program.

Test Item

ATE system is available for below seven test items.

Product information
SN/MAC information written
Product information comparison

Stability test
line regulation test
load regulation test

Protection test
Short circuit test
OVP test
OLP test
OPP test

Time sequence and transient feature
Turn on time test
Rise time test
Turn off time test
Fall time test

Input feature test
Input current RMS test
Input power factor test
Input power disturbance test
Input frequency fluctuation test
Input power test

Output feature test
Output voltage/current/power accuracy test
Output voltage ripple test
Output efficiency test
Dynamic mode test

Control feature test
RS232 read-write
RS485 read-write
USB read-write
LAN read-write
GPIB read-write

AC-DC/DC-DC power module test system

This system is applicable in AC-DC/DC-DC power module test.
AC-DC/DC-DC module power is widely used in military, communication equipment, automotive electronics and aerospace. Standard test item of test system matching with external test fixtures could realize automatic test. It could avoid error that may be caused by repeated test manually and improve test efficiency significantly.

Low/middle power DC source test system

This test system is applicable to low/small power range DC source test.
Test ability: Voltage 0~800VDC, Current 0~200A, Power 0~4000W, extendable.
Besides above standard test item, available to extend custom function.

Low/middle power AC source test system

This test system is applicable to low/small power range AC source test.
Test ability: Voltage 0~300VAC, Current 0~46A, Power 0~5000W, extendable.
Besides above standard test item, available to extend custom function.

DC E-load test system

This test system is applicable to DC E-load test .
Test ability: Voltage 0~1200VDC, Current 0~3000A, Power 0~300KW, extendable.
Besides above standard test item, available to extend custom function.

High power DC sources test system

This test system is applicable to High power DC sources test.
Test ability: Voltage 0~2250VDC, Current 0~3000A, Power 0~300KW, extendable.
Besides above standard test item, available to extend custom function.

Company History

2022~2024

2024

New product to be released soon.

2022

Launch Momentum S Series Products.

2020~2021

2021

HQ moved to Liaobu, Songshan Lake Section, Dongguan; production base was enlarged.

2020

Became member of China Power Supply Society.

2017~2019

2019

2nd-gen DC power supply SP-3U/6U series were released.
DC electronic load EL series were released.

2017

1st-gen AC power source SP-300 series and SPST series were released.
Shipping intelligent system products were released.

2014~2016

2016

Certificate of high and new technology enterprise was acquired.

2014

1st-gen DC power supply LP series and SP-1U/2U series were released.
Solar inverter products were released.

2010~2012

2012

Self-owned brand "APM "is found APM Technologies Ltd was established.

2011

Established plate processing / machining / assembling workshops and baking finishing factory.

2010

Released a series of automatic production devices.

1989~1999

1999

Production base in Dongguan was established.

1989

PCM is established.

NOTE

NOTE

18950-757-10(E)-20240227

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