

Product Datasheet - Technical Specifications



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Programmable Bidirectional DC Power Supply ANEVH(F) Series



3U



4U

Product Introduction

The ANEVH(F) Series is a programmable DC power supply that integrates DC power and feedback load. It can function as a source, outputting power to the outside world, and as a sink, absorbing power and returning it cleanly to the grid, achieving standard bidirectional operation.

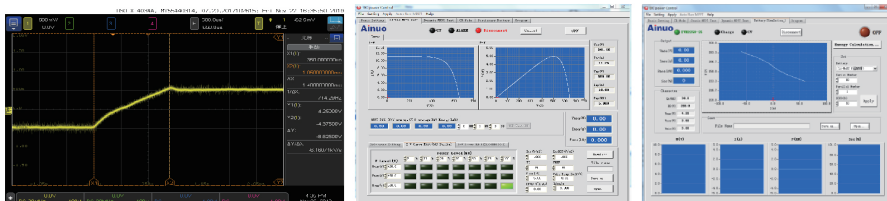
The ANEVH(F) Series of bidirectional programmable DC test power supplies include 7 voltage levels, covering a voltage range from 0V to 2250V, supporting the parallel operation of multiple units, and expandable up to 1MW in maximum power. The energy flows bidirectionally, with automatic seamless switching, high power density, fast dynamic response characteristics, built-in function generators and standard test curves, and the ability to generate multiple waveforms freely. It can be used in laboratories, automotive electronics, new energy battery-motor-electronic control, microgrids, high-power tests, and other testing scenarios.

Features

- Integrates source and load functions in a 3U standard chassis across the entire series.
- Integrates high-frequency PWM rectification and bidirectional DCDC technology, comprehensively eliminating the noise of conventional high-power bidirectional power supplies, rendering it a silent power supply.
- Higher power density, smaller size, and faster speed. Energy flows bidirectionally, with automatic seamless switching in both directions.
- Feedback efficiency up to 95%, with outstanding energy-saving and environmentally friendly advantages.
- Voltage range: covers 7 voltage levels from 0V to 2250V, the highest in the industry, with unique high-voltage series connection technology.
- Has a built-in function generator that supports arbitrary waveform generation.
- Has built-in DIN40839, ISO-16750-2, and ISO21848 standard automotive power grid voltage curves.
- Has the electronic load function, with multiple load modes such as CV, CC, CP, CR, CV+CC, CV+CR, CC+CR, and CV+CC+CP+CR.
- Has the ability to simulate the output characteristics (Fill Factor) of various solar batteries.
- It can test maximum power point tracking (MPPT) capability and efficiency.
- It has the ability of accurate voltage and current measurement.
- Sequence output can be set to test the operating voltage range of photovoltaic inverters.
- It has comprehensive protection functions, including OTP, OVP, OCP, and OPP.
- It has the S-terminal compensation function.
- It has the solar battery I-V curve simulation function.
- It has a standard RS232/RS485/CAN/LAN/USB communication interface.
- It is equipped with the standard graphical upper computer operational software, and can be operated as a single unit.
- It has the battery simulation function, simulating the output characteristic curves of various batteries.
- It can simulate I-V curves under different temperature and illumination conditions.

Application

- Microgrid and micro-inverter tests.
- Automotive motor, controller and power battery tests.
- Fuel battery test and fuel battery DCDC test.
- Uninterruptible power supply (UPS), on-board charger (OBC), charging station, and bidirectional DC-DC tests.
- Industrial tests such as electrolysis, electroplating, and welding.
- Communication power supply and LED product tests.
- Tests of automotive electronics, military electronics, and aviation electronics.
- High-power test and DC feedback load demand scenarios.



The switch time from maximum reverse current to maximum forward current is as low as 1.4ms.

Ordering and function expansion

3U Model

- ANEVH100-170(F) 100V/170A /5kW
- ANEVH100-340(F) 100V/340A /10kW
- ANEVH100-510(F) 100V/510A /15kW
- ANEVH300-75(F) 300V/75A /5kW
- ANEVH300-150(F) 300V/150A /10kW
- ANEVH300-225(F) 300V/225A /15kW
- ANEVH300-225(F) 300V/225A /21kW
- ANEVH300-300(F) 300V/300A /30kW
- ANEVH500-40(F) 500V/40A /5kW
- ANEVH500-80(F) 500V/80A /10kW
- ANEVH500-120(F) 500V/120A /15kW
- ANEVH500-160(F) 500V/160A /21kW
- ANEVH500-240(F) 500V/240A /30kW
- ANEVH750-25(F) 750V/25A /5kW
- ANEVH750-50(F) 750V/50A /10kW
- ANEVH750-75(F) 750V/75A /15kW
- ANEVH750-120(F) 750V/120A /21kW
- ANEVH750-180(F) 750V/180A /30kW
- ANEVH1000-40(F) 1000V/40A /10kW
- ANEVH1000-80(F) 1000V/80A /21kW
- ANEVH1000-100(F) 1000V/100A /30kW

3U Model

- ANEVH1500-40(F) 1500V/40A /15kW
- ANEVH1500-60(F) 1000V/60A /21kW
- ANEVH1500-80(F) 1500V/80A /30kW
- ANEVH2250-25(F) 2250V/25A /15kW
- ANEVH2250-50(F) 2250V/50A /21kW
- ANEVH2250-60(F) 2250V/60A /30kW

4U Model

- ANEVH80-680(F) 80V/680A/20kW
- ANEVH80-1020(F) 80V/1020A /30kW
- ANEVH300-450(F) 300V/450A/50kW
- ANEVH500-390(F) 500V/390A/50kW
- ANEVH750-300(F) 750V/300A/50kW
- ANEVH1000-150(F) 1000V/150A/50kW
- ANEVH1500-130(F) 1500V/130A/50kW
- ANEVH2250-100(F) 2250V/100A/50kW

- Support multiple parallel outputs to extend power/current range

Specifications

Model		ANEVH100-170(F)	ANEVH100-340(F)	ANEVH100-510(F)	ANEVH300-75(F)	ANEVH300-150(F)	ANEVH300-225(F)
Input	Phase number	Three-phase three-wire+PE					
	Voltage	342V-528VAC					
	Frequency	45-66Hz					
	Power factor	≥0.99					
Output	Voltage	0-100VDC	0-100VDC	0-100VDC	0-300VDC	0-300VDC	0-300VDC
	Current	-170A-170A	-340A-340A	-510A-510A	-75A-75A	-150A-150A	-225A-225A
	Power	-5KW-5KW	-10KW-10KW	-15KW-15KW	-5kW-5kW	-10kW-10kW	-15kW-15kW
Display mode		4.3-inch color LCD					
Voltage resolution		0.01V (0.1V when >1000V)					
Current resolution		0.01A (0.1A when >1000A)					
Power resolution		0.001kW (0.01kW when >100kW)					
Set up error (programming accuracy)	Voltage	≤0.05%F.S.					
	Current	≤0.1%F.S.					
	Power	≤1%FS					
Measurement error (Read-back accuracy)	Voltage	≤0.05%F.S.					
	Current	≤0.1%F.S.					
	Power	≤1%FS					
Ripple and noise 20Hz-20MHz	Vrms	40mvrms(100V)			100mvrms		
	Vpp	250mvPP(100V)			650mvPP		
Load effect	Voltage	≤0.01%Umax					
	Current	≤0.05%Imax					
Source effect	Voltage	≤0.01%Umax					
	Current	≤0.01%Imax					
Transient response time		≤2ms					
Forward and reverse switching speed		2ms (+90%-90%)					
Temperature drift	Voltage	0.05% setting value					
	Current	0.05% setting value					
Noise		≤65dB(A) (Measuring distance≥2m)					
OVP range		110%FS					
Maximum lead voltage drop compensation		≤5% Umax(300V 6.5V)					
Communication function		Standard: CAN/232/485/LAN/USB, optional: GPIB					
Protection functions		Input undervoltage protection, short-circuit protection, output overvoltage, current-limiting protection and internal overheating protection.					
Analog interface (optional)		Start, stop, alarm, 0-5V or 0-10V analog control output					
Other external interfaces		Standard configuration for parallel ports					
Efficiency		~90%					
Feedback parameters	Frequency	45-66Hz					
	Power factor	≥0.99					
	Switching time	≤2ms					
	Feedback function	Full power range feedback					
	Feedback efficiency	~90%					
Operating temperature		0~40℃					
Storage temperature		-20-70℃					
Humidity		<80%, without condensation					
Volume	Enclosure size	444×132.5×705.5mm					
	Overall dimensions	444×132.5×768mm					
Weight		5kws23kg 10kws31kg 15kws38kg					
Remarks		1. Programming accuracy/read-back accuracy test condition (25℃±5℃); 2. Time required for the load to change from 100% to 50% or in reverse, and for the output voltage to return to within "rated value±0.75%"					

Any changes to the above parameter specifications will not be notified separately.

Specifications

Model		ANEVH500-40(F)	ANEVH500-80(F)	ANEVH500-120(F)	ANEVH750-25(F)	ANEVH750-50(F)	ANEVH750-75(F)
Input	Phase number	Three-phase three-wire+PE					
	Voltage	342V-528VAC					
	Frequency	45-66Hz					
	Power factor	≥0.99					
Output	Voltage	0-500VDC	0-500VDC	0-500VDC	0-750VDC	0-750VDC	0-750VDC
	Current	-40A-40A	-80A-80A	-120A-120A	-25A-25A	-50A-50A	-75A-75A
	Power	-5kW-5kW	-10kW-10kW	-15kW-15kW	-5kW-5kW	-10kW-10kW	-15kW-15kW
Display mode		4.3-inch color LCD					
Voltage resolution		0.01V (0.1V when >1000V)					
Current resolution		0.01A (0.1A when >1000A)					
Power resolution		0.001kW (0.01kW when >100kW)					
Setting error (programming accuracy)	Voltage	≤0.05%F.S					
	Current	≤0.1%F.S					
	Power	≤1%FS					
Measurement error (Read-back accuracy)	Voltage	≤0.05%F.S					
	Current	≤0.1%F.S					
	Power	≤1%FS					
Ripple and noise	Vrms	70mvrms			90mvrms(750V)		
20Hz-20MHz	Vpp	500mvPP			800mvPP(750V)		
Load effect	Voltage	≤0.01%Umax					
	Current	≤0.05%Imax					
Source effect	Voltage	≤0.01%Umax					
	Current	≤0.01%Imax					
Transient response time ²		≤2ms					
Forward and reverse switching speed		2ms (+90%-90%)					
Temperature drift	Voltage	0.05% setting value					
	Current	0.05% setting value					
Noise		≤65dB(A) (Measuring distance≥2m)					
Scope of OVP		110%FS					
Maximum lead voltage drop compensation		≤5% Umax (300V 6.5V)					
Communication function		Standard: CAN/232/485/LAN/USB, optional: GPIB					
Protection functions		Input undervoltage protection, short-circuit protection, output overvoltage, current-limiting protection, internal overheating protection.					
Analog interface (optional)		Startup, stop, alarm, 0-5V or 0-10V analog control output					
Other external interfaces		Standard configuration for parallel ports					
Efficiency		~90%					
Feedback parameters	Frequency	45-66Hz					
	Power factor	≥0.99					
	Switching time	≤2ms					
	Feedback function	Full power range feedback					
	Feedback efficiency	~90%					
Operating temperature		0~40℃					
Storage temperature		-20-70℃					
Humidity		< 80%, without condensation					
Volume	Enclosure size	444×132.5×705.5mm					
	Overall dimension	444×132.5×768mm					
Weight		5kws≤23kg 10kws≤31kg 15kws≤38kg					
Remarks		1. Programming accuracy/read-back accuracy test condition (25℃±5℃); 2. Time required for the load to change from 100% to 50% or in reverse, and for the output voltage to return to within "rated value±0.75%"					

Any changes to the above parameter specifications will not be notified separately.

Specifications

Model		ANEVH1000-40(F)	ANEVH1000-75(F)	ANEVH1500-40(F)	ANEVH2250-25(F)
Input	Phase number	Three-phase three-wire+PE			
	Voltage	342V-528VAC			
	Frequency	45-66Hz			
	Power factor	≥0.99			
Output	Voltage	0-1000VDC	0-1000VDC	0-1500VDC	0-2250VDC
	Current	-40A-40A	-75A-75A	-40A-40A	-25A-25A
	Power	-10KW-10KW	-15KW-15KW	-15KW-15KW	-15KW-15KW
Display mode		4.3-inch color LCD			
Voltage resolution		0.01V (0.1V when >1000V)			
Current resolution		0.01A (0.1A when >1000A)			
Power resolution		0.001kW (0.01kW when >100kW)			
Set up error (programming accuracy)	Voltage	≤0.05%F.S.			
	Current	≤0.1%F.S.			
	Power	≤1%FS			
Measurement error (Read-back accuracy)	Voltage	≤0.05%F.S.			
	Current	≤0.1%F.S.			
	Power	≤1%FS			
Ripple and noise	Vrms	300mvrms	100mvrms	200mvrms	
20Hz-20MHz	Vpp	1600mvPP	1000mvPP	2000mvPP	
Load effect	Voltage	≤0.01%Umax			
	Current	≤0.05%Imax			
Source effect	Voltage	≤0.01%Umax			
	Current	≤0.01%Imax			
Transient response time		≤2ms			
Forward and reverse switching speed		2ms (+90%-90%)			
Temperature drift	Voltage	0.05% setting value			
	Current	0.05% setting value			
Noise		≤65dB(A) (measuring distance≥2m)			
OVP range		110%F.S			
Maximum lead drop compensation		≤5% Umax (300V 6.5V)			
Communication function		Standard: CAN/232/485/LAN/USB, optional: GPIB			
Protection functions		Input undervoltage protection, short-circuit protection, output overvoltage, current-limiting protection and internal overheating protection.			
Analog interface (optional)		Startup, stop, alarm, 0-5V or 0-10V analog control output			
Other external interfaces		Standard equipped parallel port			
Efficiency		~90%			
Feedback parameters	Frequency	45-66Hz			
	Power factor	≥0.99			
	Switching time	≤2ms			
	Feedback function	Full power range feedback			
	Feedback efficiency	~90%			
Operating temperature		0~40℃			
Storage temperature		-20-70℃			
Humidity		< 80%, without condensation			
Volume	Enclosure size	444×132.5×705.5mm			
	Overall dimensions	444×132.5×768mm			
Weight		5kw: ≤23kg 10kw: ≤32kg 15kws38kg			5kw: ≤23kg 10kw: ≤31kg 15kws38kg
Remarks		1. Programming accuracy/read-back accuracy test condition (25℃±5℃); 2. Time required for the load to change from 100% to 50% or in reverse, and for the output voltage to return to within "rated value±0.75%"			

Any changes to the above parameter specifications will not be notified separately.

Specifications

Model		ANEVH300-225P(F)	ANEVH500-160(F)	ANEVH750-120(F)	ANEVH1000-80(F)	ANEVH1500-60(F)	ANEVH2250-50(F)
Input	Phase number	Three-phase three-wire+PE					
	Voltage	342V-528VAC					
	Frequency	45-66Hz					
	Power factor	≥0.99					
Output	Voltage	0-300VDC	0-500VDC	0-750VDC	0-1000VDC	0-1500VDC	0-2250VDC
	Current	-225A-225A	-160A-160A	-120A-120A	-80A-80A	-60A~60A	-50A-50A
	Power	-21KW-21KW	-21KW-21KW	-21KW-21KW	-21KW-21KW	-21KW-21KW	-21KW-21KW
Display mode		4.3-inch color LCD					
Voltage resolution		0.01V (0.1V when >1000V)					
Current resolution		0.01A (0.1A when >1000A)					
Power resolution		0.001kW (0.01kW when >100kW)					
Set up error (programming accuracy)	Voltage	≤0.05%F.S.					
	Current	≤0.1%F.S.					
	Power	≤1%FS					
Measurement error (Read-back accuracy)	Voltage	≤0.05%F.S.					
	Current	≤0.1%F.S.					
	Power	≤1%FS					
Ripple and noise 20Hz-20MHz	Vrms	100mvrms	80mvrms	80mvrms	220mvrms	220mvrms	400mvrms
	Vpp	650mvPP	750mvPP	800mvPP	1600mvPP	1800mvPP	2400mvPP
Load effect	Voltage	≤0.01%Umax					
	Current	≤0.05%Imax					
Source effect	Voltage	≤0.01%Umax					
	Current	≤0.01%Imax					
Transient response time		≤2ms					
Forward and reverse switching speed		2ms (+90%-90%)					
Temperature drift	Voltage	0.05% setting value					
	Current	0.05% setting value					
Noise		≤65dB(A) (Measuring distance≥2m)					
Scope of OVP		110%F.S					
Maximum lead drop compensation		≤5% Umax (300V 6.5V)					
Communication function		Standard: CAN/232/485/LAN/USB, optional: GPIB					
Protection functions		Input undervoltage protection, short-circuit protection, output overvoltage, current-limiting protection and internal overheating protection.					
Analog interface (optional)		Startup, stop, alarm, 0-5V or 0-10V analog control output					
Other external interfaces		Standard equipped parallel port					
Efficiency		~90%					
Feedback parameters	Frequency	45-66Hz					
	Power factor	≥0.99					
	Switching time	≤2ms					
	Feedback function	Full power range feedback					
	Feedback efficiency	~90%					
Operating temperature		0~40℃					
Storage temperature		-20-70℃					
Humidity		< 80%, without condensation					
Volume	Enclosure size	444×132.5×705.5mm					
	Overall dimension	444×132.5×768mm					
Weight		21kvs39kg					
Remarks		1. Programming accuracy/read-back accuracy test condition (25℃±5℃); 2. Time required for the load to change from 100% to 50% or in reverse, and for the output voltage to return to within "rated value±0.75%"					

Any changes to the above parameter specifications will not be notified separately.

Specifications

Model		ANEVH80-680(F)	ANEVH80-1020(F)	ANEVH500-240(F)	ANEVH750-180(F)
Input	Phase number	Three-phase three-wire+PE			
	Voltage	342V-528VAC			
	Frequency	45-66Hz			
	Power factor	≥0.99			
Output	Voltage	0~80VDC	0~80VDC	0~500VDC	0~750VDC
	Current	-680A ~ 680A	-1020A ~ 1020A	-240A ~ 240A	-180A ~ 180A
	Power	-20kW ~ 20kW	-30kW ~ 30kW	-30kW ~ 30kW	-30kW ~ 30kW
Display mode		4.3-inch color LCD			
Voltage resolution		0.01V (0.1V when >1000V)			
Current resolution		0.01A (0.1A when >1000A)			
Power resolution		0.001kW (0.01kW when >100kW)			
Set up error (programming accuracy)	Voltage	≤0.05%F.S.			
	Current	≤0.1%F.S.			
	Power	≤1%FS			
Measurement error (Read-back accuracy)	Voltage	≤0.05%F.S.			
	Current	≤0.1%F.S.			
	Power	≤1%FS			
Ripple and noise	Vrms	25mvrms	80mvrms	80mvrms	
20Hz-20MHz	Vpp	400mvPP	750mvPP	800mvPP	
Load effect	Voltage	≤0.02%Umax	≤0.01%Umax		
	Current	≤0.05%Imax	≤0.05%Imax		
Source effect	Voltage	≤0.02%Umax	≤0.01%Umax		
	Current	≤0.05%Imax	≤0.01%Imax		
Transient response time		≤2ms			
Forward and reverse switching speed		2ms (+90%-90%)			
Temperature drift	Voltage	0.05% setting value			
	Current	0.05% setting value			
Noise		≤65dB(A) (Measuring distance≥2m)			
Scope of OVP		110%F.S			
Maximum lead drop compensation		≤5% Umax (300V 6.5V)			
Communication function		Standard: CAN/232/485/LAN/USB, optional: GPIB			
Protection functions		Input undervoltage protection, short-circuit protection, output overvoltage, current-limiting protection and internal overheating protection.			
Analog interface (optional)		Startup, stop, alarm, 0-5V or 0-10V analog control output			
Other external interfaces		Standard configuration for parallel ports			
Efficiency		≤93.5%	~90%		
Feedback parameters	Frequency	45-66Hz			
	Power factor	≥0.99			
	Switching time	≤2ms			
	Feedback function	Full power range feedback			
	Feedback efficiency	≤93.5%	~90%		
Operating temperature		0~40℃			
Storage temperature		-20-70℃			
Humidity		<80%, without condensation			
Volume	Enclosure size	444*177*696.5mm	444*177*696.5mm	444*132.5*705.5mm	444*132.5*705.5mm
	Overall dimension	444*177*768mm	444*177*768mm	444*132.5*768mm	444*132.5*768mm
Weight		20kws≤41kg	30kws≤53.5kg	30kws≤40kg	30kws≤40kg
Remarks		1. Programming accuracy/read-back accuracy test condition (25℃±5℃); 2. Time required for the load to change from 100% to 50% or in reverse, and for the output voltage to return to within "rated value±0.75%"			

Any changes to the above parameter specifications will not be notified separately.

Specifications

Model		ANEVH1000-100(F)		ANEVH1500-80(F)		ANEVH2250-80(F)	
Input	Phase number	Three-phase three-wire+PE					
	Voltage	342V-528VAC					
	Frequency	45-66Hz					
	Power factor	≥0.99					
Output	Voltage	0-1000VDC		0-1500VDC		0-2250VDC	
	Current	-100A-100A		-80A ~ 80A		-60A ~ 60A	
	Power	-30KW-30KW		-30kW ~ 30kW		-30kW ~ 30kW	
Display mode		4.3-inch color LCD					
Voltage resolution		0.01V (0.1V when >1000V)					
Current resolution		0.01A (0.1A when >1000A)					
Power resolution		0.001kW (0.01kW when >100kW)					
Set up error (programming accuracy)	Voltage	≤0.05%F.S.					
	Current	≤0.1%F.S.					
	Power	≤1%FS					
Measurement error (Read-back accuracy)	Voltage	≤0.05%F.S.					
	Current	≤0.1%F.S.					
	Power	≤1%FS					
Ripple and noise	Vrms	200mvrms		220mvrms		400mvrms	
20Hz-20MHz	Vpp	1600mvPP		1800mvPP		2400mvPP	
Load effect	Voltage	≤0.01%Umax					
	Current	≤0.05%Imax					
Source effect	Voltage	≤0.01%Umax					
	Current	≤0.01%Imax					
Transient response time		≤2ms					
Forward and reverse switching speed		2ms (+90%-90%)					
Temperature drift	Voltage	0.05% setting value					
	Current	0.05% setting value					
Noise		≤65dB(A) (Measuring distance≥2m)					
Scope of OVP		110%FS					
Maximum lead drop compensation		≤5% Umax (300V 6.5V)					
Communication function		Standard: CAN/232/485/LAN/USB, optional: GPIB					
Protection functions		Input undervoltage protection, short-circuit protection, output overvoltage, current-limiting protection and internal overheating protection.					
Analog interface (optional)		Startup, stop, alarm, 0-5V or 0-10V analog control output					
Other external interfaces		Standard configuration for parallel ports					
Efficiency		~90%					
Feedback parameters	Frequency	45-66Hz				≤95%	
	Power factor	≥0.99					
	Switching time	≤2ms					
	Feedback function	Full power range feedback					
	Feedback efficiency	~90%					
Operating temperature		0-40℃					
Storage temperature		-20-70℃					
Humidity		< 80%, without condensation					
Volume	Enclosure size	444×132.5×705.5mm					
	Overall dimension	444×132.5×768mm				444×132.5×705.5mm	
Weight		30kws≤40kg				444×132.5×768mm	
Remarks		1. Programming accuracy/read-back accuracy test condition (25℃±5℃); 30kws≤40kg 2. Time required for the load to change from 100% to 50% or in reverse, and for the output voltage to return to within "rated value±0.75%"					

Any changes to the above parameter specifications will not be notified separately.

Specifications

Model		ANEVH300-450(F)	ANEVH500-390(F)	ANEVH1000-150(F)	ANEVH1500-130(F)	ANEVH750-300(F)	ANEVH2250-100(F)
Input	Phase number	Three-phase three-wire+PE					
	Voltage	342V-528VAC					
	Frequency	45-66Hz					
	Power factor	≥0.99					
Output	Voltage	0~300VDC	0~500VDC	0~1000VDC	0~1500VDC	0-750VDC(expandable to 800V)	0~2250VDC
	Current	-450A~450A	-390A~390A	-150A~150A	-130A~130A	-300A~300A	-100A~100A
	Power	-50kW~50kW	-50kW~50kW	-50kW~50kW	-50kW~50kW	-50kW~50kW	-50kW~50kW
	Internal resistance	0.033~150Ω	0.051~500Ω	0.226~1000Ω	0.384~1500Ω	0.1~750Ω	0.6~2250Ω
Display mode		4.3-inch color LCD					
Voltage resolution		0.01V (0.1V when >1000V)					
Current resolution		0.01A (0.1A when >1000A)					
Power resolution		0.001kW (0.01kW when >100kW)					
Internal resistance resolution		0.001Ω (0.01Ω when >100Ω, 0.1Ω when>1000Ω)					
Set up error (programming accuracy) ¹	Voltage	≤0.05%F.S.					
	Current	≤0.1%F.S.					
	Power	≤1%FS					
	Internal resistance	≤0.3% of maximum resistance ± 0.1% of maximum current (note: applicable to feedback current above 2A)					
Measurement error (Read-back accuracy)	Voltage	≤0.05%F.S.					
	Current	≤0.1%F.S.					
	Power	≤1%FS					
	Internal resistance	≤0.3% of maximum resistance ± 0.1% of maximum current (note: applicable to feedback current above 2A)					
Ripple and noise	Vrms	≤80mVrms	≤100mVrms	≤170mVrms	≤200mVrms	≤120mVrms	≤240mVrms
20Hz-20MHz	Vpp	≤800mVpp	≤1000mVpp	≤1800mVpp	≤2200mVpp	≤1200mVpp	≤2400mVpp
Load effect	Voltage	≤0.02%Umax					
	Current	≤0.05%Imax					
Source effect	Voltage	≤0.02%Umax					
	Current	≤0.02%Imax					
Transient response time ²		≤2ms					
Forward and reverse switching speed		2ms (+90%-90%)					
Temperature drift	Voltage	0.05% setting value					
	Current	0.05% setting value					
Scope of OVP		110%F.S					
Maximum lead drop compensation		≤5% Umax					
Communication function		Standard: CAN/232/485/LAN/USB, optional: GPIB					
Protection functions		Input undervoltage protection, short-circuit protection, output overvoltage, current-limiting protection and internal overheating protection.					
Waveform editing (sequence)						Conventional waveform editing standard and integrated testing standards, which can be graphical	Conventional waveform editing standard and integrated testing standards, which can be graphical
Analog interface (optional)		Startup, stop, alarm, 0-5V or 0-10V analog control output					
Other external interfaces		Standard equipped parallel port					
Efficiency		≥93.5%					
Feedback parameters	Frequency	45-66Hz					
	Power factor	≥0.99					
	Switching time	≤2ms					
	Feedback function	Full power range feedback					
	Feedback efficiency	≥94%					
Operating temperature		0~40℃					
Storage temperature		-20-70℃					
Humidity		<80%, without condensation					
Volume	Enclosure size	444×177×705.5mm					
	Overall dimension	444×177×805mm					
Weight		≤53kg				50kW≤53kg	
Remarks		1. Programming accuracy/read-back accuracy test condition (25℃±5℃); 2. Time required for the load to change from 100% to 50% or in reverse, and for the output voltage to return to within "rated value±0.75%"					

Any changes to the above parameter specifications will not be notified separately.