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NEW

AC Power Source
Voltage Stabilizer
Programmable Linear AC
High Power DC Power Supply

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AC Power Source

The AFC Series AC Power Source is integrated with the IGBT/SPWM technology, simple operation but provides cleaner and reliable output voltage and frequency to achieve all kinds of industrial requirements.

This AFC Series Ac Power Source offers high quality pure sine wave with output power rating from 500VA to 2000kVA, which THD less than 1% at resistive load. Additionally, this Ac Source provides dual output voltage ranges of 0-150V or 0-300V (Opt.0-600V), output frequency of 50Hz and 60Hz selectable, 45-65Hz adjustable (opt. 45-400Hz). Users are allowed to remotely control this equipment via standard RS232 interface.

Single phase input single phase output

- Single phase output from 500VA-100kVA，three phase output from 10kVA-2000kVA.
- 4 LED display measurements of voltage, current, frequency and power/PF.
- Automatic high and low range voltage：0-150V/150.1-300V automatic switch， or 1-300V high range locked.
- Comprehensive protection includes over voltage, over current, over load, input under voltage and over temperature with corresponding error codes.
- Strong shock resistance, able to start the loads of 1/3 rated power of the AC power supply directly.
- Three phase independent loading, and able to start each phase separately.
- Output voltage and frequency adjustable at output state.
- Simple operate with lock key, shortcut key and knob.
- Standard RS232 interface, optional RS485 and GPIB interface.
- With power-off memory function, remember the last output parameters automatically.

AC Power Source

Single phase input single phase output (500VA – 15kVA)

Model		AFC-105	AFC-110	AFC-120	AFC-130	AFC-150	AFC-1110	AFC-1115
Input Specifications								
Phase		1ϕ2W + PE						
Voltage		220V±10%(Please contact us for other input voltage)						
Frequency		50/60Hz±5%						
Output Specifications								
Capacity		500VA	1kVA	2kVA	3kVA	5kVA	10kVA	15kVA
Phase		1ϕ2W + PE						
Max Current	0-150V Range	4.2A	8.4A	16.8A	25A	42A	84A	126A
	0-300V Range	2.1A	4.2A	8.4A	12.5A	21A	42A	63A
Voltage	Low Range(L-N)	0-150V Variable (Opt. 0-300V.)						
	High Range(L-N)	0-300V Variable (Opt. 0-600V)						
Transient Response		30ms						
Frequency		50Hz, 60Hz, 45~65Hz Variable(Opt. 45~400Hz)						
Total Harmonic Distortion(THD)		≤1% (Resistive Load, Full load 2%)						
Voltage Regulation		≤1%						
Load Regulation		≤1% (Resistive Load)						
Frequency Regulation		≤0.01%						
Efficiency		≥85% (At full load)						
Protection		Over Current, Short Circuit, Over Temperature , Over Load ,Phase Deficient, Low-voltage Protection.						
Overload Capacity		100% <Output≤110% 27min Cut-off output; 110%<Output≤130% 10s Cut-off output; 130%<Output≤150% 5s Cut-off output; 150%<Output Cut-off output immediately.						
Measurement	Current(RMS)	Resolution: 1mA/10mA or 10mA/100mA Accuracy: 0.3% F.S.±3 Counts±0.1%/100Hz						
	Voltage(RMS)	Resolution: 0.1V Accuracy: 0.3% F.S.±2 Counts±0.1%/100Hz						
	Frequency	Resolution: 0.01Hz/0.1Hz Accuracy: 0.3% F.S.±2 Counts±0.05%/100Hz						
Working Environment								
Operating Temperature		0° - 40° C/ 32° - 104° F						
Relative Humidity		10-90%, (Non-condensing)						
Functions								
4 Digits LED Display		Voltage, Current, Frequency						
Interface		RS232 (Opt. RS485, GPIB)						
Memory Function		With power-off memory function, remember the last output parameters automatically.						
Sync Output Signal		Support						
Mechanical Specifications								
Dimensions(W x H x D)(mm)		430 x 192 x 510					432 x 475 x 595	
Weights(Kg)		22	25	30	35	40	100	120



AC Power Source

3 phase input single phase output (10kVA – 100kVA)

Model		AFC-210	AFC-215	AFC-220	AFC-230	AFC-250	AFC-280	AFC-2100
Input Specifications								
Phase		3ϕ4W + PE						
Voltage		380V±10%(Please contact us for other input voltage)						
Frequency		50/60Hz±5%						
Output Specifications								
Capacity		10kVA	15kVA	20kVA	30kVA	50kVA	80kVA	100kVA
Phase		1ϕ2W + PE						
Max Current	0-150V Range	84A	126A	168A	250A	420A	666A	840A
	0-300V Range	42A	63A	84A	125A	210A	333A	420A
Voltage	Low Range(L-N)	0-150V Variable(Opt. 0-300V)						
	High Range(L-N)	0-300V Variable(Opt. 0-600V)						
Transient Response		30ms						
Frequency		50Hz, 60Hz, 45~65Hz Variable(Opt 45~400Hz)						
Total Harmonic Distortion(THD)		≤1% (Resistive Load, At full load 下 2%)						
Voltage Regulation		≤1%						
Load Regulation		≤1% (Resistive Load)						
Frequency Regulation		≤0.01%						
Efficiency		≥85% (At full load)						
Protection		Over Current, Short Circuit, Over Temperature , Over Load ,Phase Deficient, Low-voltage Protection						
Overload Capacity		100% <Output≤110% 27min Cut-off output; 110%<Output≤130% 10s Cut-off output; 130%<Output≤150% 5s Cut-off output; 150%<Output Cut-off output immediately.						
Measurement	Current(RMS)	Resolution: 1mA/10mA or 10mA/100mA Accuracy: 0.3% F.S.±3 Counts±0.1%/100Hz						
	Voltage(RMS)	Resolution: 0.1V Accuracy: 0.3% F.S.±2 Counts±0.1%/100Hz						
	Frequency	Resolution: 0.01Hz/0.1Hz Accuracy: 0.3% F.S.±2 Counts±0.05%/100Hz						
Working Environment								
Operating Temperature		0° - 40° C/ 32° - 104° F						
Relative Humidity		10-90%, (Non-condensing)						
Functions								
4 Digits LED Display		Voltage, Current, Frequency						
Interface		RS232 (Opt. RS485, GPIB)						
Memory Function		With power-off memory function, remember the last output parameters automatically.						
Sync Output Signal		Support						
Mechanical Specifications								
Dimensions(W x H x D)(mm)		432 x 570 x 695			565 x 1335 x 690		750 x 1605 x 900	
Weights(Kg)		100	115	130	200	300	400	500

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AC Power Source

3 phase input 3 phase output (10kVA – 75kVA)

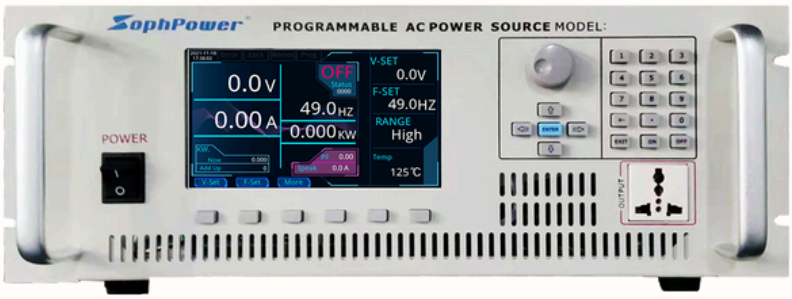
Model		AFC-310	AFC-315	AFC-320	AFC-330	AFC-345	AFC-360	AFC-375
Input Specifications								
Phase		3ϕ4W + PE						
Voltage		380V±10%(Please contact us for other input voltage)						
Frequency		50/60Hz±5%						
Output Specifications								
Capacity		10kVA	15kVA	20kVA	30kVA	45kVA	60kVA	75kVA
Phase		3ϕ4W + PE						
Max Current	0-150V Range	27.6A	42A	54A	84A	126A	168A	210A
	0-300V Range	13.8A	21A	27A	42A	63A	84A	105A
Voltage	Line to Neutral	0-150V/ 0-300V Variable(Opt. 0-600V)						
	Line to Line	0-260V/ 0-520V Variable(Opt. 0-1040V)						
Transient Response		30ms						
Frequency		50Hz, 60Hz, 45~65Hz Variable(Opt. 45~400Hz)						
Phase Difference		120° ±2°						
Total Harmonic Distortion(THD)		≤1% (Resistive Load, At full load 2%)						
Voltage Regulation		≤1%						
Load Regulation		≤1% (Resistive Load)						
Frequency Regulation		≤0.01%						
Efficiency		≥85% (At full load)						
Protection		Over Current, Short Circuit, Over Temperature ,Over Load ,Phase Deficient, Low-voltage Protection, Alarms						
Overload Capacity		100% <Output≤110% 27min Cut-off output; 110%<Output≤130% 10s Cut-off output; 130%<Output≤150% 5s Cut-off output; 150%<Output Cut-off output immediately.						
Measurement	Current(RMS)	Resolution: 1mA/10mA or 10mA/100mA Accuracy: 0.3% F.S.±3 Counts±0.1%/100Hz						
	Voltage(RMS)	Resolution: 0.1V Accuracy: 0.3% F.S.±2 Counts±0.1%/100Hz						
	Frequency	Resolution: 0.01Hz/0.1Hz Accuracy: 0.3% F.S.±2 Counts±0.05%/100Hz						
Working Environment								
Operating Temperature		0° - 40° C/ 32° - 104° F						
Relative Humidity		10-90% (Non-condensing)						
Functions								
4 Digits LED Display		Voltage, Current, Frequency						
Interface		Standard: RS232 (Opt. RS485, GPIB)						
Memory Function		With power-off memory function, remember the last output parameters automatically.						
Sync Output Signal		Support						
Mechanical Specifications								
Dimensions(W x H x D)(mm)		565 x 890 x 650			690 x 1510 x 590		750 x 1605 x 900	
Weights(Kg)		140	160	200	360	450	540	600

AC Power Source

3 phase input 3 phase output (90kVA – 1000kVA)

Model		AFC-390	AFC-3120	AFC-3150	AFC-3240	AFC-3500	AFC-3750	AFC-31000
Input Specifications								
Phase		3ϕ4W + PE						
Voltage		380V±10%(Please contact us for other input voltage)						
Frequency		50/60Hz±5%						
Output Specifications								
Capacity		90kVA	120kVA	150kVA	240kVA	500kVA	750kVA	1000kVA
Phase		3ϕ4W + PE						
Max Current	0-150V Range	250A	333A	416A	666A	1388A	2082A	2776A
	0-300V Range	125A	166A	208A	333A	694A	1041A	1388A
Voltage	Line to Neutral	0-150V/ 0-300V Variable(Opt. 0-600V)						
	Line to Line	0-260V/ 0-520V Variable(Opt. 0-1040V)						
Transient Response		30ms						
Frequency		50Hz, 60Hz, 45~65Hz Variable(Opt. 45~400Hz)						
Phase Difference		120° ±2°						
Total Harmonic Distortion(THD)		≤1% (Resistive Load, At full load 2%)						
Voltage Regulation		≤1%						
Load Regulation		≤1% (Resistive Load)						
Frequency Regulation		≤0.01%						
Efficiency		≥85% (At full load)						
Protection		Over Current, Short Circuit, Over Temperature ,Over Load ,Phase Deficient, Low-voltage Protection, Alarms						
Overload Capacity		100% <Output≤110% 27min Cut-off output; 110%<Output≤130% 10s Cut-off output; 130%<Output≤150% 5s Cut-off output; 150%<Output Cut-off output immediately.						
Measurement	Current(RMS)	Resolution: 1mA/10mA or 10mA/100mA Accuracy: 0.3% F.S.±3 Counts±0.1%/100Hz						
	Voltage(RMS)	Resolution: 0.1V Accuracy: 0.3% F.S.±2 Counts±0.1%/100Hz						
	Frequency	Resolution: 0.01Hz/0.1Hz Accuracy: 0.3% F.S.±2 Counts±0.05%/100Hz						
Working Environment								
Operating Temperature		0° - 40° C/ 32° - 104° F						
Relative Humidity		10-90% (Non-condensing)						
Functions								
4 Digits LED Display		Voltage, Current, Frequency						
Interface		RS232 (Opt. RS485 , GPIB)						
Memory Function		With power-off memory function, remember the last output parameters automatically.						
Sync Output Signal		Support						
Mechanical Specifications								
Dimensions(W x H x D)(mm)		1130 x 1600 x 690			1120 x 1740 x 1235		3300 x 1740 x 1235	
Weights(Kg)		780	850	960	1200	2800	3500	4000

• Specifications are subject to change without notice.



Programmable Linear AC

The SLFC series Linear AC Power Source is integrated with linear amplification circuit to ensure low noise and high stability. With low distortion less than 0.3% and linear design, the linear AC Power Source is suitable for low noise testing requirements.
The SLFC series Programmable Linear AC Power Source output power range from 500VA to 5kVA, output voltage range 0-300V (Opt. 0-600V), and output frequency range 45-65Hz adjustable (Opt. 45-500Hz)

Features:

- uSingle phase output from 500VA-5kVA.
- u7'LCD display, number keys and rotary knob operation, 19”standard cabinet..
- uAutomatic high and low range voltage：0-150V/150.1-300V automatic switch， or 1-300V high range locked
- uLow noise and high stability design
- uStrong shock resistance, able to start the loads of equal rated power of the AC power supply directly.
- uOutput voltage and frequency adjustable at output state.
- uStandard RS232 interface, optional RS485, GPIB and Ethernet interface.
- uWith power-off memory function, remember the last output parameters automatically， 5 groups of quick memory
- uOn/Off Angle settable.

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Programmable Linear AC

Model		SLFC-1005	SLFC-1010	SLFC-1020	SLFC-1030	SLFC-1040	SLFC-1050
Input Specifications							
Voltage		1ϕ2W + PE ,220V±10%(Please contact us for other input voltage)					
Frequency		50/60Hz±5%					
Output Specifications							
Capacity		500VA	1kVA	2kVA	3kVA	4kVA	5kVA
Max Current	0-150V Range	4.2A	8.4A	16.8A	25A	33.6A	42A
	0-300V Range	2.1A	4.2A	8.4A	12.5A	16.8A	21A
Voltage	Low Range(L-N)	0-150V Variable (Opt. 0-300V.)					
	High Range(L-N)	0-300V Variable (Opt. 0-600V)					
Transient Response		30ms					
Frequency		45~65Hz Variable(Opt. 45~500Hz)					
Total Harmonic Distortion(THD)		≤0.3% (Resistive Load, Full load 1%)					
Voltage Regulation		≤1%					
Load Regulation		≤0.5% (Resistive Load)					
Frequency Regulation		≤0.01%					
On/Off Angle		0 ~ 359°					
Efficiency		≥75% (At full load)					
Protection		Over Current, Short Circuit, Over Temperature, Over Load					
Overload Capacity		100% <Output≤110% 27min Cut-off output; 110%<Output≤130% 10s Cut-off output; 130%<Output≤150% 5s Cut-off output; 150 %<Output Cut-off output immediately.					
Measurement	Current(RMS)	Resolution: 0.01A	Accuracy:0.3% F.S.±2 Counts				
	Voltage(RMS)	Resolution: 0.1V	Accuracy: 0.3% F.S.±2 Counts				
	Frequency	Resolution: 0.1Hz	Accuracy: 0.3% F.S.±2 Counts				
	Power	Resolution: 0.001kW	Accuracy:0.6% F.S.±2 Counts				
Functions							
Display		7" LCD display Voltage, Current, Power, Frequency, PF, I-peak					
Interface		RS-232 (Opt.RS-485, GPIB, Ethernet)					
Programmable		Step/Sequence/ Gradient, 50 steps/999999 Loops					
Sync		Support					
Memory		5 Groups					
Remote control(Opt.)		1-10V or 4-20mA					
Working Environment							
Temperature & Humidity		0° - 40° C / 32° - 104° F, 10-90%, (Non-condensing)					
Mechanical Specifications							
Dimension(WxHxDmm)		430*133*575		430*267*575		430*485*575	
Weight(Kg)		40	50	65	80	90	100

LFC300 Series Linear 3 Phase AC Power Source

- The LFC300 Series Linear AC Power Source is integrated with the linear amplification circuit to ensure ultra-low noise and high stability. Users can easily develop programs to facilitate different applications especially to networking communication, audio and video equipment. This linear power source provides clean power with THD less than 0.3% at 50/60Hz and it delivers wide output voltage range 3 phase 0-520V(Opt.1040V); frequency setting range 45-400Hz(Opt. 300-800Hz) adjustable, fixed 50/60Hz.

Features:

- Remote voltage feedback function to ensure the test voltage is consistent with the setting value.
- l Inrush current up to 5 times(3 times at 3 phase) of the peak current, allowing users to activate high inrush current loads(i.e. motor, compressor and so on).
- l Able to display the phase voltage per phase independently.
- l Real-time adjustment for the voltage& frequency instantly to save the time needed for the test.
- l Shortcut key lock, preventing the data from being modified due to any disoperation.
- l Either front panel or a remote RS-232 /485 control are available.
- l Precision True-RMS meter of volts, amps and power or power factor for displays and reports.
- l STEP and RAMP function: ideal for voltage and frequency variation tests and effectively reduces the inrush current during motor startup.

MODEL		LFC-303	LFC-306	LFC-309	LFC-315	LFC-320	LFC-330	LFC-345
INPUT SPECIFICATIONS								
Phases		3Ø4W + Ground						
Voltage		208, 220, 240 (3W+G), 380, 415, 480V (4W+G) ± 10%						
Frequency		50/60Hz±5%						
OUTPUT SPECIFICATIONS								
Rated Power(kVA)		3	6	9	15	20	30	45
Max Current	150V Range(A)	8.4	16.8	25.2	42	54	84	126
	300V Range(A)	4.2	8.4	12.6	21	27	42	63
Phases		3Ø4W + Ground						
Voltage	Line to Neutral(V)	0 - 150 V / 0 - 300 V Selectable(opt 0-600V)						
	Line to Line(V)	0 - 260 V / 0 - 520 V Selectable(opt. 0-1040V)						
Frequency	Range	50/60Hz, 45-65Hz Adjustable(opt.45-400Hz)						
Measurement	Current(RMS)	Resolution: 1mA/10mA or 10mA/100mA Auto Range						
		Accuracy: ±0.4%±0.3% F.S.±3 Counts±0.1%/100Hz						
	Voltage(RMS)	Resolution: 0.1V						
		Accuracy: ±0.2%±0.3% F.S.±2 Counts±0.1%/100Hz						
	Frequency	Resolution: 0.01Hz/0.1Hz Auto Range						
		Accuracy: ±0.1%±2 Counts±0.05%/100Hz						
Voltage Regulation		≤ 0.5%						
Load Regulation		≤ 0.5%						
Frequency Regulation		≤ 0.01%						
Crest Factor		≥ 3						
Protection		Over Current, Short Circuit, Over Temperature , Over Load ,Phase Deficient, Low-voltage Protection, Alarms						
Efficiency		≥ 75% (at full load)						
ENVIRONMENTAL								
Operating Temperature		0° - 40° C / 32° - 104° F						
Relative Humidity		10-90%,non-condensing						
DISPLAYS AND CONTROLS								
4 Digit LED Meters		Voltage, Current, Frequency,Power or Power factor(Optional)						
Interface		RS-232 standard(opt. RS-485)						
MECHANICAL SPECIFICATIONS								
Dimensions(W*H*D)(mm)		600*470*430		700*570*480		700*1510*565		
Weights(Kg)		150	180	210	270	320	410	520

High Power DC Power Supply

- The DSP Series High Power DC Power Supply using PWM and FPGA technology, has the advantages of reliable quality, stable performance, high power, high current, high voltage, low ripple noise, fast transient response, high precision and high resolution.
- The DSP Series can offer output voltage and current is up to 1500V and 1500A respectively. With its high performance, DSP series fits testing requirement of EV motor and compressor, PV inverter, renewable energy, quality burning test, or facility power perfectly.

Features:

- lOutput power up to 150kW per unit, output voltage up to 1500V and output current up to 1500A.
- lUsing FPGA technology.
- lStandard RS232 interface, optional RS485 and GPIB interface.
- lCV/CC/CP models to satisfy different kinds of requirement.
- l3 Groups of voltage, current and power for quick memory.
- lWith power-off memory function, remember the last output parameters automatically.
- l16bits high precision A/D converter for high precision voltage and current control and measurement.
- lOption remote sense to reduce voltage drop caused by cable length.

Model	20kW	DSP-500-40	DSP-600-33	DSP-800-25	DSP-1000-20	DSP-1500-13
	30kW	DSP-500-60	DSP-600-50	DSP-800-38	DSP-1000-30	DSP-1500-20
	50kW	DSP-500-100	DSP-600-84	DSP-800-63	DSP-1000-50	DSP-1500-33
Input Specifications						
Voltage		3φ4W + Ground 380Vac±10%				
Frequency		50/60Hz±5%				
Output Specifications						
Output Voltage		0-500V	0-600V	0-800V	0-1000V`	0-1500V
Output Current	20kW	0-40A	0-33A	0-25A	0-20A	0-13A
	30kW	0-60A	0-50A	0-38A	0-30A	0-20A
	50kW	0-100A	0-84A	0-63A	0-50A	0-33A
Output Power		0-100% full range adjustable				
Line Regulation	Voltage	≤0.05% F.S.				
	Current	≤0.08% F.S.				
Load Regulation	Voltage	≤0.2% F.S.				
	Current	≤0.3% F.S.				
Ripple& Noise	Vp-p	≤2% F.S.				
	Vrms	≤0.1% F.S.				
Transient Response		≤10ms				
Slew Rate		≤100ms (output voltage or current change from 10% to 100% at resistive load)				
Efficiency		≥ 90% (at full load)				
Measurement						
4 digits LED display		Voltage, Current and Power				
Accuracy	Voltage	±0.2% F.S.±6counts				
	Current	±0.5% F.S.±3counts				
	Power	±1% F.S.±3counts				
Resolution	Voltage	0.2V				
	Current	0.1A				
	Power	0.1kW				
Memories		M1, M2, M3 FOR QUICK MEMORY SETTING				
Protection		Over Voltage, Over Current, Over Temperature, Reverse Polarity Protection				
OVP RANGE		0 ~ 110% of rated voltage				
OCP RANGE		0 ~ 110% of rated current				
Interface		RS-485 (OPT. RS-232, GPIB)				
Remote sense(Opt.)		≤5V				
General						
Operating Temperature		0° - 50° C				
Relative Humidity		10-90%,non-condensing				
Isolation Strength		Input to Output: 2500VAC, 6mA, 1Min				
Isolation Resistance		Input to Enclosure: 500VDC, ≥100MΩ				
		Output to Enclosure: 500VDC, ≥100MΩ				
Dimension (W x H x D)(mm)		432 x 570 x 695/20kW 565 x 1335 x 690/30Kw/50kW				
Weight (Kg)		150Kg/20kW 230Kg/30kW 350Kg/50kW				

AVR Series Non-contact Voltage Stabilizer

AVR series voltage regulator is a contactless voltage regulator with output power range from 10KVA to 3000KVA, which adopts SCR numerical control voltage stabilizing technology, and has large industrial power compensation range, high precision and efficiency up to 99%. It is Applicable to all electrical equipment.

Features:

- Large screen LCD is used to display the working voltage, working current and various working states dynamically.
- Anti-interference, strong purifying ability, no wave distortion.
- Response time ≤ 40ms, compatible with all loads.
- Three phases are regulated independently to ensure the balance of output voltage.
- Modular design, assembly, debugging, replacement and maintenance are simple and quick.

Model	AVR-10	AVR-20	AVR-30	AVR-40	AVR-50	AVR-60	AVR-80	AVR-100	AVR-150	AVR-200
Capacity(kVA)	10	20	30	40	50	60	80	100	150	200
Control circuit	SCR contactless (CPU digital circuit)									
Input Specifications										
Input Voltage	3 ϕ 3W+N; 380VAC (Please contact us for other voltage)									
Voltage Range	380VAC ± 15%(Opt. ± 20%)									
Frequency	50/60 Hz									
Output Specifications										
Output Voltage	3 ϕ 3W+N; 380VAC									
Accuracy	±1% (3% , Opt. 5%)									
Power Factor	PF≥0.8									
Efficiency	≥98%									
Response Time	≤40ms									
Delay Output	≤5s (Opt.)									
THD	≤1%									
Over-load Capacity	150%-90s, 200%-20s									
Protection										
Over Voltage	Output>110% rated voltage, cut off input power in 3~5s									
Under Voltage	Output<115% rated voltage, cut off input power in 3~5s									
Over Load	Cut off input power within 5s									
Phase Dislocation	Alarm and cut off input power									
Phase Lack	Alarm and cut off input power									
Short Circuit	Cut off input power									
By-pass	Manual or Automatic bypass switch									
General										
LCD Display	Input Voltage, Output Voltage, Output Current, Working Status									
Cooling	Air cooling									
Insulation Resistance	≥2MΩ									
Insulation Grade	2000VAC									
Noise	<65dB									
Temperature	0℃-45℃									
Relative Humidity	20%-90% (non-condensation)									
Size (W*H*D)mm	380*852*792						520*1200*862			
Weight (Kg)	60	80	100	120	140	160	200	230	275	291