SE-15/25

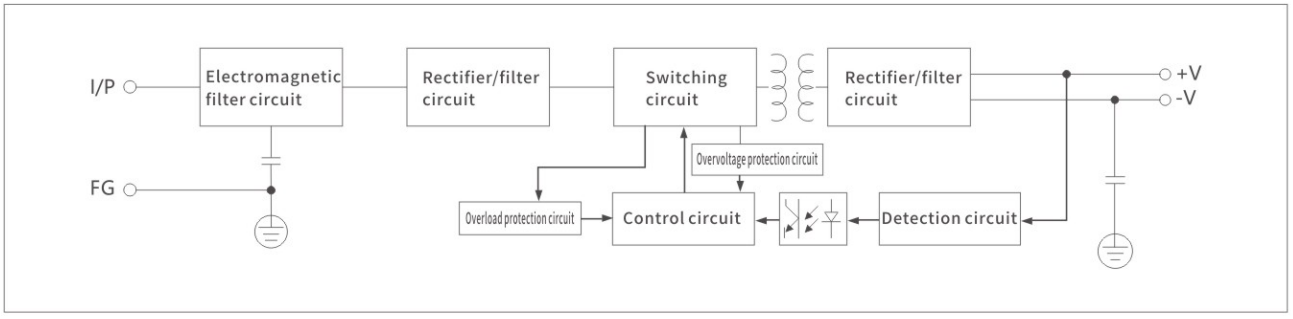
SINGLE GROUP OUTPUT
POWER SUPPLY

Product Overview

The SE-15, 25 series are 15, 25W single group output enclosed power supplies that use 85 to 264VAC full range AC input, and the entire series provides 5V. 12V, 15V, 24V, 36Vand 48V output.

In addition to the efficiency of up to 88%, the design of the metal mesh housing enhances the heat dissipation ability, allowing the SE-15, 25 to operate in the temperature range of - 10 °C to+50 °C without a fan. Making it easy for the terminal system to meet international energy requirements. The SE-15, 25 have complete protection functions and resistance to 3G vibration; It complies with TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943 international safety regulations. The SE-15, 25 series provide a cost-effective solution for various industrial applications.

Principle diagram



KEEN SIDE

Technical parameter

Type		Technical indicators				
Output	DC voltage	5V	12V	24V	36V	48V
	Rated current	2A	1.25A	0.62A	0.42A	0.31A
	Rated power	10W	15.6W	16.8W	15.12W	14.88W
	Ripple and noise ①	<50mV	<120mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%				
	Voltage accuracy	±2.0%	±1.0%			
	Linear adjustment rate	<±0.5%				
	Load adjustment rate	<±1.5%	<±0.5%	<±0.5%	<±0.5%	<±0.5%
Input	Voltage range/frequency	85-264VAC/120-373VAC 47Hz~63Hz				
	Efficiency (typical) ②	>78%	>82%	>84%	>84%	>84%
	Operating current	<0.3A 110VAC <0.15A 220VAC				
	Impulse current	110VAC 18A 220VAC 36A				
	Start up time	200ms、50ms、20ms: 220VAC				
Protection characteristics	Overload protection	⩾110% - 130% protection type: hiccup mode, remove abnormal conditions and automatically return to normal				
	Short circuit protection	+VO short circuit protection type: hiccup mode				
Environment	Operating temperature、humidity	-10°C~+50°C；20%~90RH				
	Storage temperature 、humidity	-20°C~+85°C；10%~95RH				
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute				
	Leakage current	Input - output 1.5KVAC < 5mA				
	Leakage current	Input - output 220VAC < 1mA				
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ				
Other	Size	99*97*35mm(L*W*H)				
	Net weight/gross weight	284.5g/311.6g				
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.					

Technical parameter

Type		Technical indicators				
Output	DC voltage	5V	12V	24V	36V	48V
	Rated current	4A	2.1A	1A	0.7A	0.52A
	Rated power	20W	25.2W	24W	25.2W	24.96W
	Ripple and noise ①	<50mV	<120mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%				
	Voltage accuracy	±2.0%	±1.0%			
	Linear adjustment rate	<±0.5%				
	Load adjustment rate	<±1.5%	<±0.5%	<±0.5%	<±0.5%	<±0.5%
	Start up time	200ms、50ms、20ms: 220VAC				
Input	Voltage range/frequency	85-264VAC/120-373VAC 47Hz~63Hz				
	Efficiency (typical) ②	>78%	>82%	>84%	>84%	>84%
	Operating current	<0.5A 110VAC <0.25A 220VAC				
	Impulse current	110VAC 18A 220VAC 36A				
	Leakage current	<1mA 240VAC				
Protection characteristics	Overload protection	⩾110% - 130% protection type: hiccup mode, remove abnormal conditions and Automatically return to normal				
	Short circuit protection	+VO short circuit protection type: hiccup mode				
Environment	Operating temperature、humidity	-10°C~+50°C；20%~90RH				
	Storage temperature 、humidity	-20°C~+85°C；10%~95RH				
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute				
	Leakage current	Input - output 1.5KVAC < 5mA				
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ				
Other	Size	99*97*35mm(L*W*H)				
	Net weight/gross weight	284.5g/311.6g				
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.					

SE-35

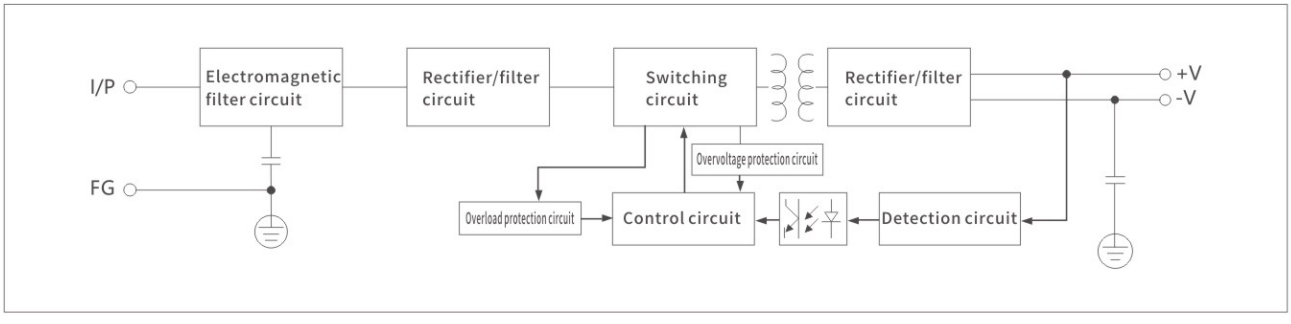
SINGLE GROUP OUTPUT
POWER SUPPLY

Product Overview

The SE-35 series is a 35W single group output enclosed power supply with a full range of AC inputs of 85 to264VAC. The entire series provides 5V. 12V, 15V, 24V, 36V and 48V output.

In addition to the efficiency of up to 88%, the design of the metal mesh housing enhances the heat dissipation ability, allowing the SE-35 to operate in the temperature range of - 10 °C to+50 °C without a fan. Making it easy for the terminal system to meet international energy requirements. SE-35 has complete protection functions and resistance to 3G vibration; It complies with TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943 international safety regulations. The SE-35 series provides a cost-effective solution for various industrial applications.

Principle diagram



Technical parameter

Type		Technical indicators				
Output	DC voltage	5V	12V	24V	36V	48V
	Rated current	6A	2.9A	1.45A	0.97A	0.73A
	Rated power	30W	34.8W	34.8W	34.92W	35.04W
	Ripple and noise ①	<75mV	<120mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%				
	Voltage accuracy	±2.0%	±1.0%			
	Linear adjustment rate	<±0.5%				
	Load adjustment rate	<±1.5%	<±0.5%	<±0.5%	<±0.5%	<±0.5%
Input	Voltage range/frequency	85-264VAC/120-373VAC 47Hz~63Hz				
	Efficiency (typical) ②	>75%	>82%	>84%	>84%	>84%
	Operating current	<0.75A 110VAC <0.35A 220VAC				
	Impulse current	110VAC 18A 220VAC 36A				
	Start up time	200ms、50ms、20ms: 220VAC				
	Leakage current	<1mA 240VAC				
Protection characteristics	Overload protection	⩾ 105% - 150% Type: constant current output+VO drops to undervoltage point Cut off output reset: power on again				
	Short circuit protection	+VO drops to underpressure point to close output				
Environment	Operating temperature、humidity	-10°C~+50°C；20%~90RH				
	Storage temperature 、humidity	-20°C~+85°C；10%~95RH				
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute				
	Leakage current	Input - output 1.5KVAC < 5mA				
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ				
Other	Size	129*98*38mm(L*W*H)				
	Net weight/gross weight	342.6g/372.8g				
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.					

SE-50/60/75

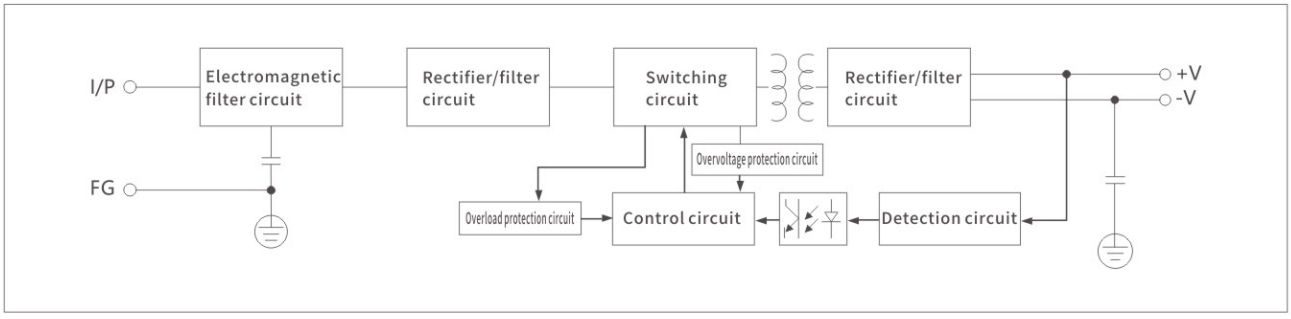
SINGLE GROUP OUTPUT
POWER SUPPLY

Product Overview

The SE-50, 60, 75series is a 50, 60, 75W single group output enclosed power supply with a full range of AC inputs of 85 to 264VAC. The entire series provides 5V, 12V, 15V, 24V, 36V and 48V output.

In addition to the efficiency of up to 88%, the design of the metal mesh housing enhances the heat dissipation ability, allowing the SE-50. 60, 75 to operate in the temperature range of - 10 °C to +50 °C without a fan. Making it easy for the terminal system to meet international energy requirements. SE-50. 60. 75 has complete protection functions and resistance to 3G vibration; It complies with TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943 international safety regulations. The SE-50. 60, 75 series provides a cost-effective solution for various industrial applications.

Principle diagram



Technical parameter

Type		Technical indicators				
Output	DC voltage	5V	12V	24V	36V	48V
	Rated current	8A	4.1A	2.1A	1.4A	1A
	Rated power	40W	49.2W	50.4W	50.4W	48W
	Ripple and noise ①	<75mV	<120mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%				
	Voltage accuracy	±2.0%	±1.0%			
	Linear adjustment rate	<±0.5%				
	Load adjustment rate	<±1.5%	<±0.5%	<±0.5%	<±0.5%	<±0.5%
Input	Voltage range/frequency	85-132VAC/176-264VAC 47Hz~63Hz (254VDC~370VDC)				
	Efficiency (typical) ②	>75%	>82%	>84%	>84%	>84%
	Operating current	<1A 110VAC <0.6A 220VAC				
	Impulse current	110VAC 18A 220VAC 36A				
	Start up time	200ms、50ms、20ms: 220VAC				
	Leakage current	<1mA 240VAC				
Protection characteristics	Overload protection	⩾ 105% - 150% Type: constant current output+VO drops to undervoltage point Cut off output reset: power on again				
	Short circuit protection	+VO drops to underpressure point to close output				
Environment	Operating temperature、humidity	-10°C~+50°C；20%~90RH				
	Storage temperature 、humidity	-20°C~+85°C；10%~95RH				
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute				
	Leakage current	Input - output 1.5KVAC < 5mA				
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ				
Other	Size	159*98*38mm(L*W*H)				
	Net weight/gross weight	440.8g/472.5g				
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.					

Technical parameter

Type		Technical indicators				
Output	DC voltage	5V	12V	24V	36V	48V
	Rated current	10A	5A	2.5A	1.7A	1.25A
	Rated power	50W	60W	60W	61.2W	60W
	Ripple and noise ①	<75mV	<120mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%				
	Voltage accuracy	±2.0%	±1.0%			
	Linear adjustment rate	<±0.5%				
	Load adjustment rate	<±1.5%	<±0.5%	<±0.5%	<±0.5%	<±0.5%
Input	Voltage range/frequency	85-264VAC/120-373VAC 47Hz~63Hz				
	Efficiency (typical) ②	>75%	>82%	>84%	>84%	>84%
	Operating current	<1A 110VAC <0.6A 220VAC				
	Impulse current	110VAC 18A 220VAC 36A				
	Start up time	200ms、50ms、20ms: 220VAC				
	Leakage current	<1mA 240VAC				
Protection characteristics	Overload protection	⩾ 105% - 150% Type: constant current output+VO drops to undervoltage point Cut off output reset: power on again				
	Short circuit protection	+VO drops to underpressure point to close output				
Environment	Operating temperature、humidity	-10°C~+50°C；20%~90RH				
	Storage temperature 、humidity	-20°C~+85°C；10%~95RH				
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute				
	Leakage current	Input - output 1.5KVAC < 5mA				
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ				
Other	Size	159*98*38mm(L*W*H)				
	Net weight/gross weight	440.8g/472.5g				
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.					

Technical parameter

Type		Technical indicators				
Output	DC voltage	5V	12V	24V	36V	48V
	Rated current	12A	6.25A	3.1A	2.1A	1.6A
	Rated power	60W	75W	74.4W	75.6W	76.8W
	Ripple and noise ①	<75mV	<120mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%				
	Voltage accuracy	±2.0%	±1.0%			
	Linear adjustment rate	<±0.5%				
	Load adjustment rate	<±1.5%	<±0.5%	<±0.5%	<±0.5%	<±0.5%
Input	Voltage range/frequency	85-264VAC/120-373VAC 47Hz~63Hz				
	Efficiency (typical) ②	>75%	>82%	>84%	>84%	>84%
	Operating current	<1.5A 110VAC <0.75A 220VAC				
	Impulse current	110VAC 18A 220VAC 36A				
	Start up time	200ms、50ms、20ms: 220VAC				
	Leakage current	<1mA 240VAC				
Protection characteristics	Overload protection	⩾ 105% - 150% Type: constant current output+VO drops to undervoltage point Cut off output reset: power on again				
	Short circuit protection	+VO drops to underpressure point to close output				
Environment	Operating temperature、humidity	-10°C~+50°C；20%~90RH				
	Storage temperature 、humidity	-20°C~+85°C；10%~95RH				
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute				
	Leakage current	Input - output 1.5KVAC < 5mA				
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ				
Other	Size	159*98*38mm(L*W*H)				
	Net weight/gross weight	440.8g/472.5g				
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.					

SE-100/120

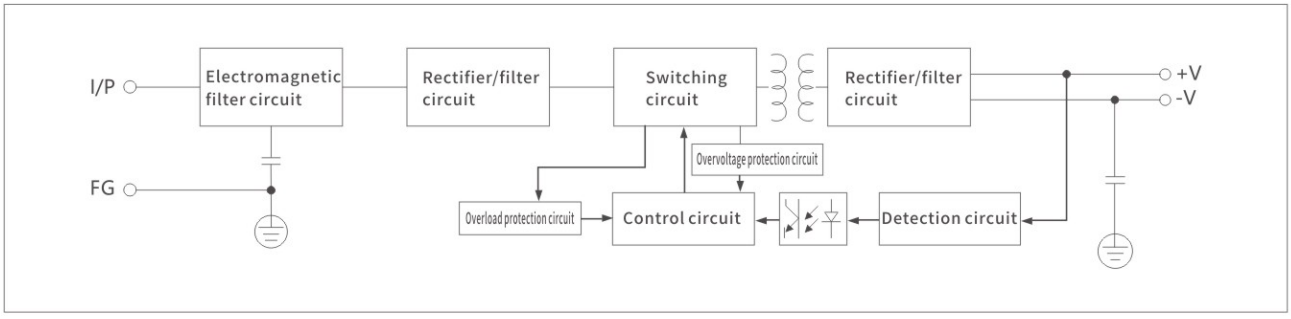
SINGLE GROUP OUTPUT
POWER SUPPLY

Product Overview

The SE-100, 120 series are 100, 120W single group output closed type power supplies, using 220VAC selective AC input. The entire series provides 5V, 12V, 15V, 24V, 36V and 48V output.

In addition to the efficiency of up to 88%, the design of the metal mesh enclosure enhances the heat dissipation ability, allowing the SE-100, 120 to operate in the temperature range of - 10 °C to+50 °C without a fan. Making it easy for the terminal system to meet international energy requirements. The SE-100, 120 have complete protection functions and resistance to 3G vibration; It complies with TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943 international safety regulations. The SE-100, 120 series provide a cost-effective solution for various industrial applications.

Principle diagram



KEEN SIDE

Technical parameter

Type		Technical indicators				
Output	DC voltage	5V	12V	24V	36V	48V
	Ripple and noise ①	<75mV	<120mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%				
	Voltage accuracy	±2.0%	±1.0%			
	Linear adjustment rate	±0.5%				
	Load adjustment rate	<±1.5%	<±0.5%	<±0.5%	<±0.5%	<±0.5%
Input	Voltage range/frequency	85-132VAC/176-264VAC 47Hz~63Hz (254VDC~370VDC)				
	Efficiency (typical) ②	>75%	>82%	>84%	>84%	>84%
	Operating current	<1.2A 220VAC				
	Impulse current	220VAC 36A				
	Start up time	200ms、50ms、20ms: 220VAC				
	Leakage current	<1mA 240VAC				
Protection characteristics	Overload protection	⩾ 105% - 150% Type: constant current output +VO drops to undervoltage point Cut off output reset: power on again				
	Short circuit protection	+VO drops to underpressure point to close output				
Environment	Operating temperature、humidity	-10°C~+50°C; 20%~90RH				
	Storage temperature、humidity	-20°C~+85°C; 10%~95RH				
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute				
	Leakage current	Input - output 1.5KVAC < 5mA				
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ				
Other	Size	199*98*38mm(L*W*H)				
	Net weight/gross weight	535g/580.8g				
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.					

Type	SE-100				
DC voltage	5V	12V	24V	36V	48V
Rated current	18A	8.3A	4.1A	2.8A	2.1A
Rated power	90W	100.8W	100.8W	100.8W	100.8W

Type	SE-120				
DC voltage	5V	12V	24V	36V	48V
Rated current	20A	10A	5A	3.33A	2.5A
Rated power	100W	120W	120W	120W	120W

SE-150/200

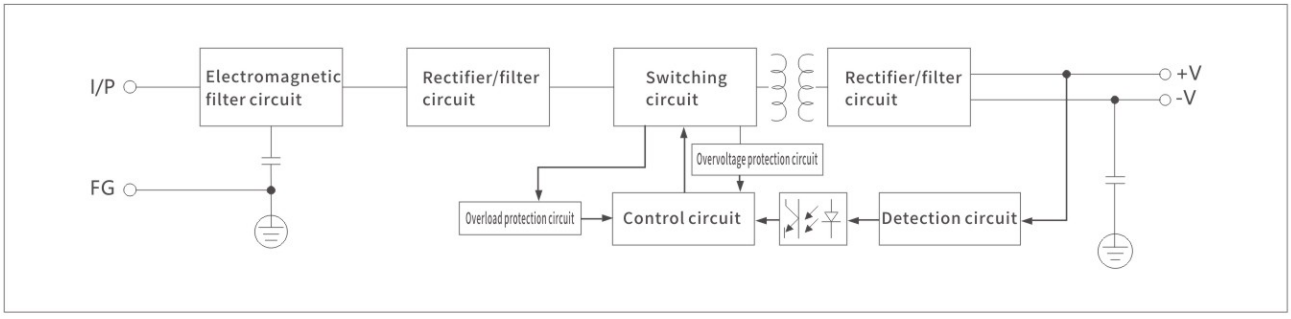
SINGLE GROUP OUTPUT
POWER SUPPLY

Product Overview

The SE-150, 200 series is a 150W, 200W single group output closed type power supply with 110~264VAC selective AC input. The entire series provides 5V, 12V, 15V, 24V, 36V and 48V output.

In addition to the efficiency of up to 88%, the design of the metal mesh housing enhances the heat dissipation ability, allowing the SE-150, 200 to operate in the temperature range of - 10 °C to+50 °C without a fan. Making it easy for the terminal system to meet international energy requirements. The SE-150, 200 has complete protection functions and resistance to 3G vibration; It complies with TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943 international safety regulations. The SE-150, 200 series provides a cost-effective solution for various industrial applications.

Principle diagram



Technical parameter

Type		Technical indicators				
Output	DC voltage	5V	12V	24V	36V	48V
	Rated current	25A	12.5A	6.25A	4.16A	3.12A
	Rated power	125W	150W	150W	150W	150W
	Ripple and noise ①	<75mV	<120mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%				
	Voltage accuracy	±2.0%	±1.0%			
	Linear adjustment rate	<±0.5%				
	Load adjustment rate	<±1.5%	<±0.5%	<±0.5%	<±0.5%	<±0.5%
Input	Voltage range/frequency	85-132VAC/176-264VAC 47Hz~63Hz (254VDC~370VDC)				
	Efficiency (typical) ②	>78%	>82%	>84%	>84%	>84%
	Operating current	<2.5A 110VAC <1.5A 220VAC				
	Impulse current	110VAC 18A 220VAC 36A				
	Start up time	200ms、50ms、20ms: 220VAC				
	Leakage current	<1mA 240VAC				
Protection characteristics	Overload protection	⩾ 105% - 150% Type: constant current output+VO drops to undervoltage point Cut off output reset: power on again				
	Short circuit protection	+VO drops to underpressure point to close output				
Environment	Operating temperature、humidity	-10°C~+50°C；20%~90RH				
	Storage temperature 、humidity	-20°C~+85°C；10%~95RH				
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute				
	Leakage current	Input - output 1.5KVAC < 5mA				
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ				
Other	Size	199*98*38mm(L*W*H)				
	Net weight/gross weight	616.3g/654.3g				
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.					

Technical parameter

Type		Technical indicators			
Output	DC voltage	5V	12V	24V	36V
	Rated current	35A	16.6A	8.3A	5.5A
	Rated power	175W	199.2W	199.2W	198W
	Ripple and noise ①	< 100mV	< 150mV	< 150mV	< 240mV
	Voltage accuracy	±2%	±1%		
	Output voltage regulation range	±10%			
	Load adjustment rate	< ±1.5%	< ±0.5%	< ±0.5%	< ±0.5%
	Linear adjustment rate	< ±0.5%			
Input	Voltage range	176-264VAC 47Hz ~ 63Hz (254VDC ~ 370VDC)			
	Efficiency (typical) ②	> 78%	> 82%	> 84%	> 84%
	Working current	< 2.2A 220VAC			
	Impulse current	220VAC 50A			
	Start, rise, hold time	200ms 、 50ms 、 20ms ： 220VAC			
Protection	overload protection	≥ 105% - 150% type: constant current output + vaao reduced to undervoltage point cut off output reset: power on again			
	Short circuit protection	+VODrop to undervoltage point to close output			
Environmental	Working temperature and humidity	-10 ℃ ~ +50 ℃ ； 20% ~ 90RH			
	Storage temperature and humidity	-20 ℃ ~ +85 ℃ ； 10% ~ 95RH			
Safety	Safety Standards	BIS IS 13252(PART 1):2010/ IEC 60950-1 : 2005 BS EN 55032:2015+A11:2020 BS EN 55035:2017+A11:2020 BS EN 61000⁻ 3⁻2:2019 8s EN 61000o3⁻ 3:2013+A1:2019 EN 61000-3-3:2013+A2:2021; EN IEC 55014-2: 2021.			
	Withstand voltage	Input output: 1.5kVac input shell: 1.5kVac output shell: 0.5kvac for 1 minute			
	Leakage current	5mA at 1.5kVac input-output			
	Leakage current	Input output at 220VAC < 1mA			
	Isolation resistance	Input output, input shell, output shell: 500VDC / 100M Ω			
Other	Size	199*110*50mm			
	Net weight / gross weight	727.8/780.g			

SE-250/350/400

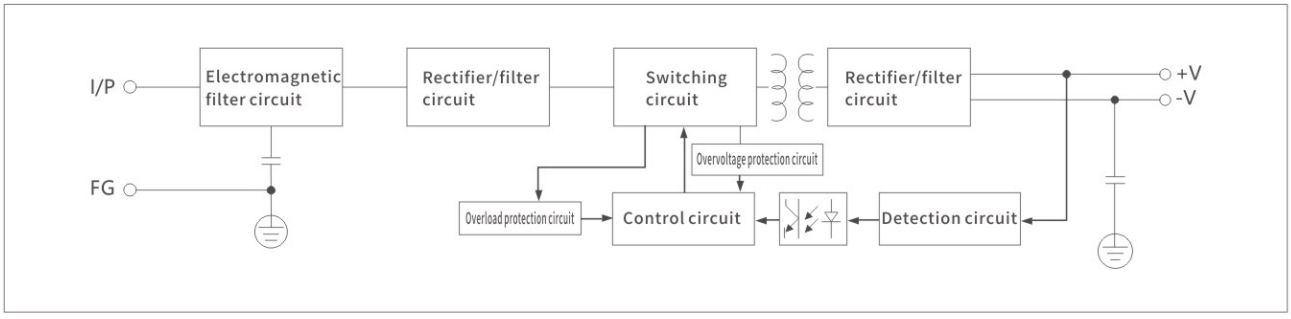
SINGLE GROUP OUTPUT
POWER SUPPLY

Product Overview

The SE-250, 350, 400 series are 250. 350. 400W single group output enclosed power supplies that use 110/220VAC selective AC input to provide 5V, 12V, 15V, 24V, 36V, and 48V output for the entire series.

In addition to an efficiency of up to 88%, the metal mesh enclosure intelligent fan design enhances heat dissipation capabilities, making the SE-250, 350, 400 more stable in harsh environments, making it easy for the terminal system to meet international energy requirements. The SE-250, 350, 400 have complete protection functions; It complies with TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943 international safety regulations. The SE-250, 350, 400 series provide a cost-effective solution for various industrial applications.

Principle diagram



Technical parameter

Type		Technical indicators				
Output	DC voltage	5V	12V	24V	36V	48V
	Rated current	40A	20.8A	10.4A	7A	5.5A
	Rated power	200W	249.6W	249.6W	252W	249.6W
	Ripple and noise ①	<100mV	<150mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%				
	Voltage accuracy	±2.0%	±1.0%			
	Linear adjustment rate	<±0.5%				
	Load adjustment rate	<±1.5%	<±0.5%	<±0.5%	<±0.5%	<±0.5%
Input	Voltage range/frequency	90-132VAC/180-264VAC 47Hz～63Hz 254VDC～370VDC				
	Efficiency (typical) ②	>78%	>82%	>84%	>84%	>84%
	Operating current	<4A 110VAC <2.5A 220VAC				
	Impulse current	115VAC 25A 220VAC 50A				
	Start up time	2000ms、50ms、20ms: 220VAC				
	Leakage current	<1mA 240VAC				
Protection characteristics	Overload protection	⩾ 105% - 150% Type: constant current output+VO drops to undervoltage point Cut off output reset: power on again				
	Over/under voltage protection	⩾115%-135%VOUT ⩽35%-45%VOUT				
	Over temperature protection/ short circuit protection	RTH3: ⩾ 65 °C fan starts, ⩽ 55 °C fan closes, ⩾ 80 °C fan closes output (5V)/+VO drops to undervoltage point and closes output				
Environment	Operating temperature、humidity	-10°C~+50°C；20%~90RH				
	Storage temperature 、humidity	-20°C~+85°C；10%~95RH				
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute				
	Leakage current	Input - output 1.5KVAC < 5mA				
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ				
Other	Size	215*114*50mm(L*W*H)				
	Net weight/gross weight	866g/925g				
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.					

Technical parameter

Type		Technical indicators					
Output	DC voltage	5V	12V	18V	24V	36V	48V
	Rated current	50A	29A	19.4A	14.5A	9.7A	7.3A
	Rated power	250W	350W	350W	350W	350W	350.4W
	Ripple and noise ①	<150mV	<150mV	<150mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%					
	Voltage accuracy	±2.0%	±1.0%				
	Linear adjustment rate	<±0.5%					
	Load adjustment rate	<±1.5%	<±1.2%	<±1.2%	<±1%	<±0.5%	<±0.5%
Input	Voltage range/frequency	90-132VAC/180-264VAC 47Hz～63Hz 254VDC～370VDC					
	Efficiency (typical) ②	>74%	>82%	>82%	>84%	>86%	>86%
	Operating current	<5.2A 110VAC <2.8A 220VAC					
	Impulse current	110VAC 25A 220VAC 50A					
	Start up time	200ms、50ms、20ms: 220VAC					
	Leakage current	<1mA 240VAC					
Protection characteristics	Overload protection	⩾ 105% - 150% Type: constant current output+VO drops to undervoltage point Cut off output reset: power on again					
	Over/under voltage protection	⩾115%-135%VOUT ⩽10%-45%VOUT					
	Over temperature protection/ short circuit protection	RTH3: ⩾ 65 °C fan starts, ⩽ 55 °C fan closes, ⩾ 80 °C fan closes output (5V)/+VO drops to undervoltage point and closes output					
Environment	Operating temperature、humidity	-10°C~+50°C；20%~90RH					
	Storage temperature 、humidity	-20°C~+85°C；10%~95RH					
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute					
	Leakage current	Input - output 1.5KVAC < 5mA					
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ					
Other	Size	215*114*50mm(L*W*H)					
	Net weight/gross weight	874.1g/936.3g					
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.						

Technical parameter

Type		Technical indicators				
Output	DC voltage	5V	12V	24V	36V	48V
	Rated current	55A	33.3A	16.6A	11.1A	8.3A
	Rated power	275W	399.6W	398.4W	399.6W	398.4W
	Ripple and noise ①	<100mV	<150mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%				
	Voltage accuracy	±2.0%	±1.0%			
	Linear adjustment rate	<±0.5%				
	Load adjustment rate	<±1.5%	<±1.2%	<±1%	<±0.5%	<±0.5%
Input	Voltage range/frequency	90-132VAC/180-264VAC 47Hz～63Hz 254VDC～370VDC				
	Efficiency (typical) ②	＞78%	＞82%	＞84%	＞84%	＞84%
	Operating current	<6A 115VAC <3.7A 230VAC				
	Impulse current	110VAC 25A 220VAC 50A				
	Start up time	2000ms、50ms、20ms: 220VAC				
	Leakage current	<1mA 240VAC				
Protection characteristics	Overload protection	⩾ 105% - 150% Type: constant current output+VO drops to undervoltage point Cut off output reset: power on again				
	Over/under voltage protection	⩾115%-135%VOUT ⩽10%-45%VOUT				
	Over temperature protection/ short circuit protection	RTH3: The fan is normally rotating, and the output is closed at ⩾ 85 °C/ +VO drops to the undervoltage point, and the output is closed				
Environment	Operating temperature、humidity	-10°C~+50°C；20%~90RH				
	Storage temperature 、humidity	-20°C~+85°C；10%~95RH				
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute				
	Leakage current	Input - output 1.5KVAC < 5mA				
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ				
Other	Size	215*114*50mm(L*W*H)				
	Net weight/gross weight	874.1g/936.3g				
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.					

SE-500/600/800

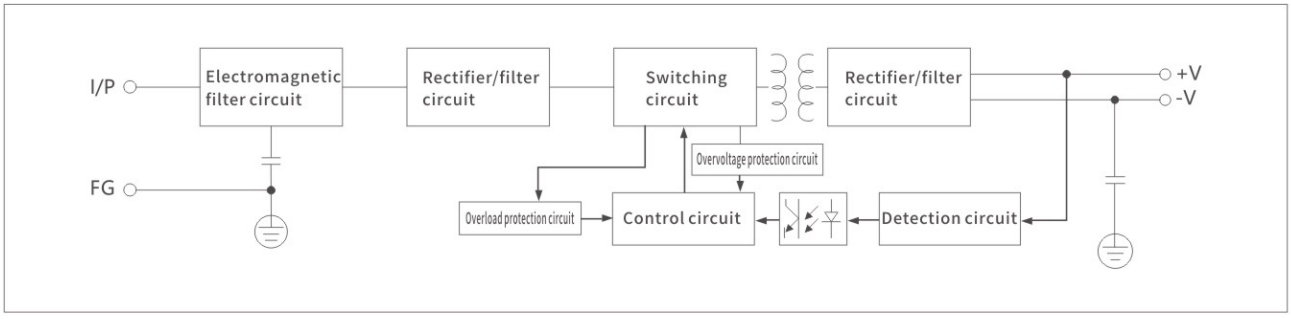
SINGLE GROUP OUTPUT
POWER SUPPLY

Product Overview

The SE-500, 600, 800 series are 500, 600. 800W single group output enclosed power supplies that use 85 to 264VAC full range AC input to provide 5V, 12V, 15V, 24V, 36V, 48V output for the entire series.

In addition to the efficiency of up to 88%, the metal mesh housing intelligent fan design enhances the heat dissipation ability, making the SE-500, 600, 800 work more stable in harsh environments, making it easy for the terminal system to meet international energy requirements. The SE-500. 600, 800 have complete protection functions; It complies with TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950 and GB4943 international safety regulations. The SE-500, 600. 800 series provide a cost-effective solution for various industrial applications.

Principle diagram



Technical parameter

Type		Technical indicators			
Output	DC voltage	12V	24V	36V	48V
	Rated current	41.6A	20.8A	13.8A	10.4A
	Rated power	499.2	499.2	496.8	499.2
	Ripple and noise ①	<150mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%			
	Voltage accuracy	±1.0%			
	Linear adjustment rate	<±1%			
	Load adjustment rate	<±1.2%	<±1%	<±0.5%	<±0.5%
Input	Voltage range/frequency	180-264VAC 47Hz~63Hz；254VDC~370VDC			
	Efficiency (typical) ②	>82%	>84%	>86%	>86%
	Operating current	<5A 230VAC			
	Impulse current	220VAC 50A			
	Start up time	2000ms、50ms、20ms: 220VAC			
	Leakage current	<1mA 240VAC			
Protection characteristics	Overload protection	⩾ 105% - 150% Type: constant current output+VO drops to undervoltage point Cut off output reset: power on again			
	Over/under voltage protection	⩾115%-135%VOUT ⩽35%-45%VOUT			
	Over temperature protection/ short circuit protection	RTH3: ⩾ 45 °C fan slow rotation, ⩾ 60 °C fan fast rotation, ⩾ 85 °C shutdown output/shutdown output power<300W			
Environment	Operating temperature、humidity	-10°C~+50°C；20%~90RH			
	Storage temperature 、humidity	-20°C~+85°C；10%~95RH			
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute			
	Leakage current	Input - output 1.5KVAC < 5mA			
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ			
Other	Size	215*114*50mm(L*W*H)			
	Net weight/gross weight	1268g/1358g			
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.				

Technical parameter

Type		Technical indicators			
Output	DC voltage	12V	24V	36V	48V
	Rated current	50A	25A	16.6A	12.5A
	Rated power	600W	600W	600W	600W
	Ripple and noise ①	<150mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%			
	Voltage accuracy	±1.0%			
	Linear adjustment rate	<±1%			
	Load adjustment rate	<±1.2%	<±1%	<±0.5%	<±0.5%
Input	Voltage range/frequency	180-264VAC 47Hz~63Hz；254VDC~370VDC			
	Efficiency (typical) ②	>82%	>84%	>86%	>86%
	Operating current	<5A 230VAC			
	Impulse current	220VAC 50A			
	Start up time	200ms、50ms、20ms: 220VAC			
	Leakage current	<1mA 240VAC			
Protection characteristics	Overload protection	⩾ 105% - 150% Type: constant current output+VO drops to undervoltage point Cut off output reset: power on again			
	Short circuit protection/ overvoltage protection	Shutdown output power<300W/⩾ 115% - 145%			
	Over temperature protection	RTH3: ⩾ 45 °C fan slow rotation, ⩾ 60 °C fan fast rotation, ⩾ 85 °C shutdown output			
Environment	Operating temperature、humidity	-10°C~+50°C；20%~90RH			
	Storage temperature 、humidity	-20°C~+85°C；10%~95RH			
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute			
	Leakage current	Input - output 1.5KVAC < 5mA			
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ			
Other	Size	241*125*65mm(L*W*H)			
	Net weight/gross weight	1268g/1358g			
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.				

Technical parameter

Type		Technical indicators			
Output	DC voltage	12V	24V	36V	48V
	Rated current	66.5A	33.3A	22.2A	16.6A
	Rated power	798W	799.2W	799.2W	796.8W
	Ripple and noise ①	<150mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%			
	Voltage accuracy	±1.0%			
	Linear adjustment rate	<±1%			
	Load adjustment rate	<±1.2%	<±1%	<±0.5%	<±0.5%
Input	Voltage range/frequency	180-264VAC 47Hz~63Hz；254VDC~370VDC			
	Efficiency (typical) ②	>82%	>84%	>86%	>86%
	Operating current	<12A 115VAC <7.8A 230VAC			
	Impulse current	110VAC： 25A 220VAC： 50A			
	Start up time	2000ms、50ms、20ms: 220VAC			
	Leakage current	<1mA 240VAC			
Protection characteristics	Overload protection	⩾ 105% - 150% Type: constant current output+VO reduced to undervoltage point Cut off output reset: power on again			
	Overvoltage protection/ short circuit protection	Output Closed (⩾115%-145%)/Output Closed			
	Over temperature protection	RTH3: ⩾ 70 °C, fast rotation of fan, ⩾ 90 °C, shutdown of output			
Environment	Operating temperature、humidity	-10°C~+50°C；20%~90RH			
	Storage temperature 、humidity	-20°C~+85°C；10%~95RH			
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute			
	Leakage current	Input - output 1.5KVAC < 5mA			
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ			
Other	Size	241*125*65mm(L*W*H)			
	Net weight/gross weight	1268g/1358g			
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.				

SE-1000

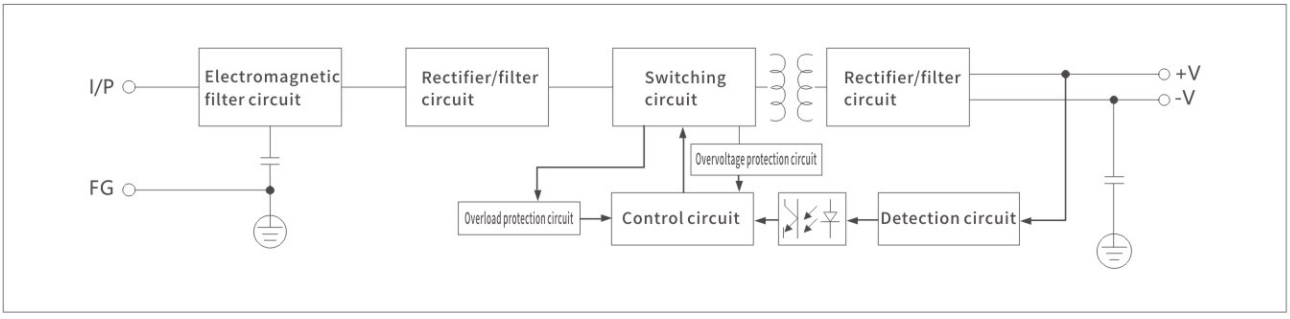
SINGLE GROUP OUTPUT
POWER SUPPLY

Product Overview

The SE-1000 series is a 1000W single group output closed type power supply with 110V/220V selective AC input. The entire series provides 5V. 12V. 15V, 24V, 36V and 48V output.

In addition to an efficiency of up to 88%, the metal mesh housing intelligent fan design enhances heat dissipation capabilities, making the SE-1000 more stable in harsh environments, making it easy for the terminal system to meet international energy requirements. The SE-1000 has complete protection functions; It complies with TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943 international safety regulations. The SE-1000 series provides a cost-effective solution for various industrial applications.

Principle diagram



SE-1000 SERIES

SINGLE GROUP OUTPUT POWER SUPPLY

KEEN SIDE

Technical parameter

Type		Technical indicators			
Output	DC voltage	12V	24V	36V	48V
	Rated current	83.3A	40A	27.5A	20A
	Rated power	1000W	960W	990W	960W
	Ripple and noise ①	<150mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%			
	Voltage accuracy	±1.0%			
	Linear adjustment rate	<±1%			
	Load adjustment rate	<±1.2%	<±1%	<±0.5%	<±0.5%
Input	Voltage range/frequency	180-264VAC 47Hz~63Hz; 254VDC~370VDC			
	Efficiency (typical) ②	>82%	>84%	>86%	>86%
	Operating current	220VAC: 60A			
	Impulse current	<10A 230VAC			
	Start up time	2000ms、50ms、20ms: 230VAC			
	Leakage current	<1mA 240VAC			
Protection characteristics	Overload protection	⩾ 105% - 150% Type: constant current output+VO reduced to undervoltage point Cut off output reset: power on again			
	Overvoltage protection/ short circuit protection	Output Closed (⩾115%-145%)/Output Closed			
	Over temperature protection	RTH3: Fan rotates normally, ⩾ 90 ℃, output closed			
Environment	Operating temperature、humidity	-10℃~+50℃; 20%~90RH			
	Storage temperature、humidity	-20℃~+85℃; 10%~95RH			
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute			
	Leakage current	Input - output 1.5KVAC < 6mA			
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ			
Other	Size	340*133*67mm(L*W*H)			
	Net weight/gross weight	2kg/2.1kg			
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 ℃. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 ℃/1000 meters.				

SE-1500/2000

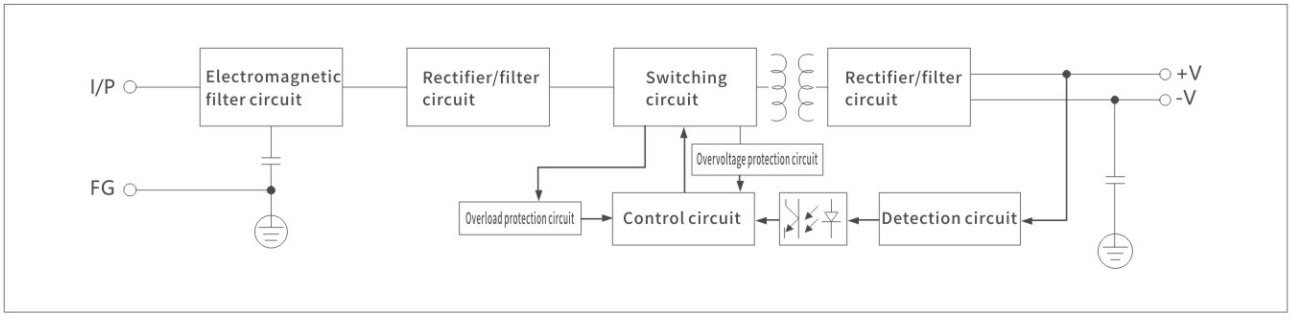
SINGLE GROUP OUTPUT
POWER SUPPLY

Product Overview

The SE-1500, 2000 series are 1500. 2000W single group output enclosed power supplies that use 180 to 264VAC AC input to provide 5V, 12V. 15V, 24V, 36V and 48V output throughout the series.

In addition to an efficiency of up to 88%, the metal mesh housing intelligent fan design enhances heat dissipation capabilities, making the SE-1500, 2000 more stable in harsh environments, making it easy for the terminal system to meet international energy requirements. The SE-1500, 2000 have complete protection functions; It complies with TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943 international safety regulations. The SE-1500, 2000 series provide a cost-effective solution for various industrial applications.

Principle diagram



KEEN SIDE

Technical parameter

Type		Technical indicators			
Output	Dc voltage	12V	24V	36V	48V
	Ripple and noise ①	<150mV	<150mV	<240mV	<240mV
	Voltage regulation range	±10%			
	Voltage accuracy	±1.0%			
	Linear adjustment rate	±1%			
	Load adjustment rate	<±1.2%	<±1%	<±0.5%	<±0.5%
Input	Voltage range/frequency	180-264VAC 47Hz~63Hz ; 254VDC~370VDC			
	Efficiency (typical) ②	>85%	>88%	>88%	>88%
	Operating current	220VAC：13.5A			
	Impulse current	60A 230VAC			
	Start up time	2000ms、50ms、20ms: 230VAC			
	Leakage current	≤1.5mA 240VAC			
Protection characteristics	Overload protection	⩾ 105% - 150% Type: constant current output+VO reduced to undervoltage point Cut off output reset: power on again			
	Over temperature protection	RTH3: Fan rotates normally, ⩾ 90 °C, output closed			
Environment	Operating temperature、humidity	-10°C~+50°C；20%~90RH			
	Storage temperature 、humidity	-20°C~+85°C；10%~95RH			
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute			
	Leakage current	Input - output 1.5KVAC < 6mA			
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ			
Other	Size	280*160*85mm(L*W*H)			
	Net weight/gross weight	3kg/3.1kg			
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.				

Type	S-1500			
DC voltage	12V	24V	36V	48V
Rated current	120A	60A	42A	31.5A
Rated power	1440W	1440W	1512W	1512W

Type	S-2000			
DC voltage	12V	24V	36V	48V
Rated current	150A	80A	55.5A	41.6A
Rated power	1800W	1920W	1998W	1996W

SE-3000

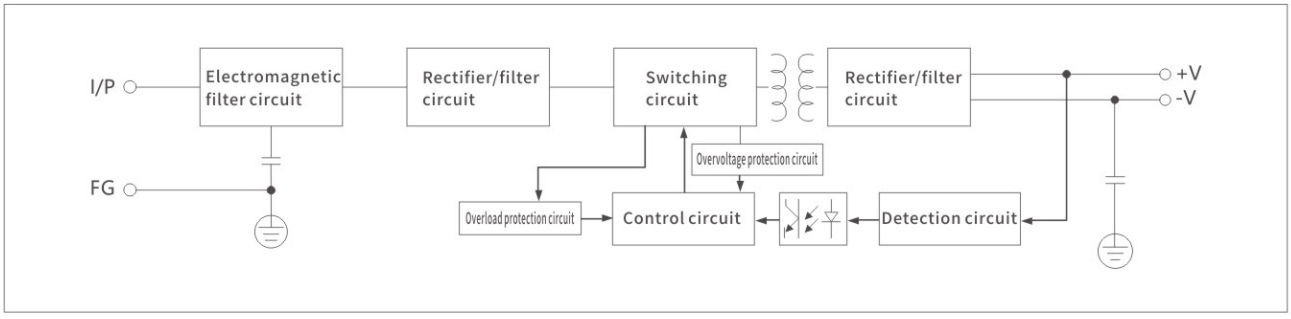
SINGLE GROUP OUTPUT
POWER SUPPLY

Product Overview

The SE-1500, 2000 series are 1500. 2000W single group output enclosed power supplies that use 180 to 264VAC AC input to provide 5V, 12V. 15V, 24V, 36V and 48V output throughout the series.

In addition to an efficiency of up to 88%, the metal mesh housing intelligent fan design enhances heat dissipation capabilities, making the SE-1500, 2000 more stable in harsh environments, making it easy for the terminal system to meet international energy requirements. The SE-1500, 2000 have complete protection functions; It complies with TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943 international safety regulations. The SE-1500, 2000 series provide a cost-effective solution for various industrial applications.

Principle diagram



Technical parameter

Type		Technical indicators			
Output	DC voltage	12V	24V	36V	48V
	Rated current	200A	120A	83A	62.4A
	Rated power	2400W	2880W	2988W	2995W
	Ripple and noise ①	<240mV	<240mV	<360mV	<480mV
	Voltage regulation range	±10%			
	Voltage accuracy	±1.0%			
	Linear adjustment rate	<±1%			
	Load adjustment rate	<±1%	<±1%	<±1%	<±1%
Input	Voltage range/frequency	180-264VAC4 47Hz~63Hz；254VDC~370VDC			
	Efficiency (typical) ②	>86%	>88%	>89%	>90%
	Operating current	220VAC：23A			
	Impulse current	60A 230VAC			
	Start up time	2000ms、50ms、20ms: 220VAC			
	Leakage current	≤1.5mA 240VAC			
Protection characteristics	Overload protection	⩾ 105% - 150% Type: constant current output+VO reduced to undervoltage point Cut off output reset: power on again			
	Over temperature protection	RTH3: Fan rotates normally, ⩾ 90 °C, output closed			
Environment	Operating temperature、humidity	-10°C~+50°C；20%~90RH			
	Storage temperature 、humidity	-20°C~+85°C；10%~95RH			
Security	Withstand voltage	Input - output : 1.5KVAC input - case : 1.5KVAC output - case: 0.5KVAC duration :1 minute			
	Leakage current	Input - output 1.5KVAC < 6mA			
	Isolation resistor	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ			
Other	Size	345*190*95mm(L*W*H)			
	Net weight/gross weight	6kg/6.2kg			
Remarks	①Ripple and noise measurement method: use a 12 twisted pair, and connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure at 20MHz bandwidth. ② The efficiency is tested at the input voltage of 230VAC, rated load and ambient temperature of 25 °C. Precision: including setting error, linear adjustment rate and load adjustment rate. Test method of linear regulation: test from low voltage to high voltage under rated load. Load adjustment rate test method: from 0% to 100% of rated load. The starting time is measured under the cold start state. Fast and frequent startup and shutdown may increase the starting time. When the operating altitude is higher than 2000 meters, the operating ambient temperature needs to be reduced by 5 °C/1000 meters.				