RPS-15

1U ULTRA-THIN SINGLE GROUP OUTPUT **POWER SUPPLY**

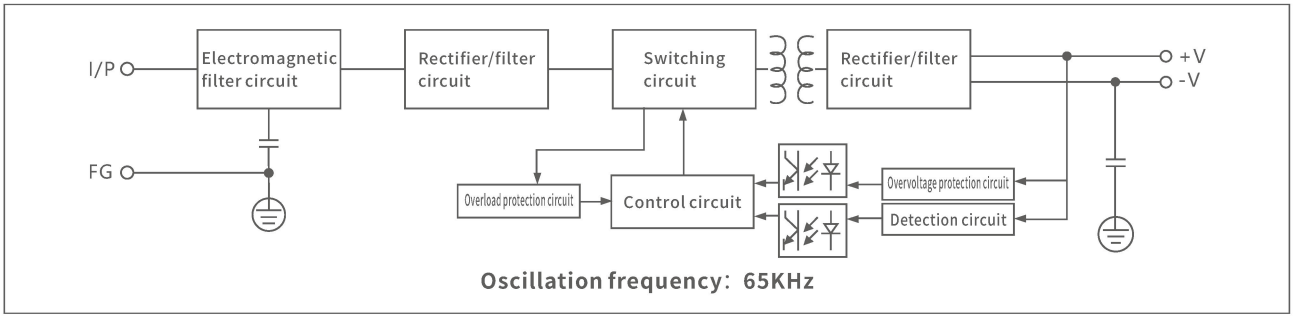


Product overview

The RPS-15 series is a 15 single group output enclosed power supply with a 30mm low profile design and a full range of AC inputs of 85 to 264VAC. The entire series provides 5V、12V、15V、and 24V output.

In addition to the efficiency of up to 90%, the design of the metal mesh housing enhances the heat dissipation ability, allowing the RPS-15 to operate in the temperature range of - 30 °C to+70 °C without a fan. Providing ultra-low no-load power consumption (less than 0.3W) makes it easy for the terminal system to meet international energy requirements. RPS-15 have complete protection functions and resistance to 5G vibration; It complies with TUV EN60950-1、EN60335-1、EN61558-1/-2-16、UL60950-1 and GB4943 international safety regulations. The RPS-15 series provide a cost-effective solution for various industrial applications.

Principle diagram



Technical parameter

Type		Technical indicators			
Output	DC voltage	5V	12V	15V	24V
	Rated current	3A	1.25A	1A	0.6A
	Rated power	15W	15W	15W	15W
	Ripple and noise①	80mVp-p	120mVp-p	150mVp-p	150mVp-p
	Voltage regulation range	±10%			
	Voltage precision	±2.0%	±1.0%	±1.0%	±1.0%
	Linear adjustment rate	±0.5%	±0.5%	±0.5%	±0.5%
	Load regulation rate	±1.0%	±0.5%	±0.5%	±0.5%
	Start up time	1000ms、30ms/230VAC 2000ms、30ms/115VAC(full load)			
	Hold time	30ms/230VAC 12ms/115VAC(full load)			
Input	Voltage range / frequency	85-264VAC /120-373VDC 47Hz~63Hz			
	Efficiency (typical)②	82%	86%	88%	88%
	Working current	0.7A/115VAC 0.42A/230VAC			
	Shock current	Cold start: 45A/230VAC			
	Leakage current	<1mA 240VAC			
Protection characteristics	Overload protection	⩾110% - 130% Protection type: Hiccup mode, remove abnormal conditions and automatically return to normal			
	Overvoltage protection	⩾115% - 145% Protection type: close the output, restart and automatically return to normal			
	Short circuit protection	+VO drops to undervoltage point to close output			
Environment	Operating temperature、humidity	-30°C~+70°C；20%~90RH			
	Storage temperature、humidity	-40°C~+85°C；10%~95RH			
Security	Pressure resistance	Input - output :4KVAC input - case :2KVAC output - case: 1.25KVAC duration :1 minute			
	Insulation impedance	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ 25 °C 70% RH			
Other	Size	88*58*30mm(L*W*H)			
	Net weight / gross weight	230g/246g			
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.				

RPS-35

1U ULTRA-THIN SINGLE GROUP OUTPUT **POWER SUPPLY**

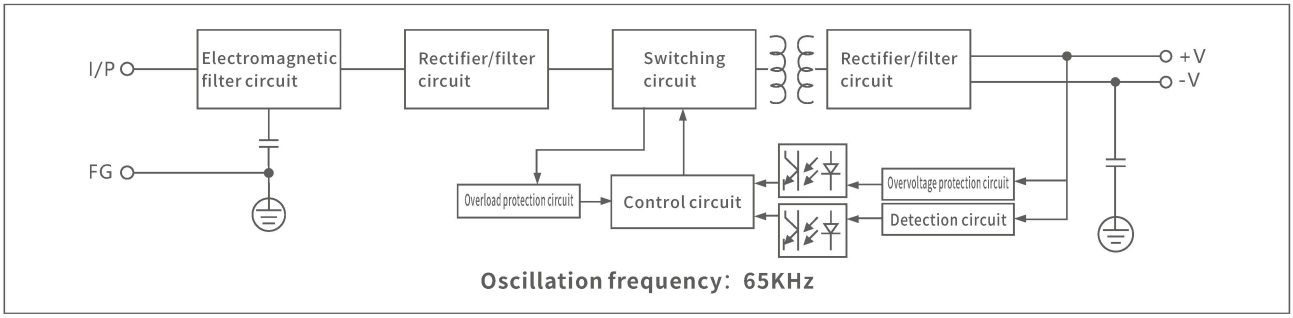


Product overview

The RPS-35 series is a 35 single group output enclosed power supply with a 30mm low profile design and a full range of AC inputs of 85 to 264VAC. The entire series provides 5V、12V、and 24V output.

In addition to the efficiency of up to 90%, the design of the metal mesh housing enhances the heat dissipation ability, allowing the RPS-35 to operate in the temperature range of - 30 °C to+70 °C without a fan. Providing ultra-low no-load power consumption (less than 0.3W) makes it easy for the terminal system to meet international energy requirements. RPS-35 have complete protection functions and resistance to 5G vibration; It complies with TUV EN60950-1、EN60335-1、EN61558-1/-2-16、UL60950-1 and GB4943 international safety regulations. The RPS-35 series provide a cost-effective solution for various industrial applications.

Principle diagram



Technical parameter

Type		Technical indicators		
Output	DC voltage	5V	12V	24V
	Rated current	7A	3A	1.5A
	Rated power	35W	36W	36W
	Ripple and noise①	80mVp-p	120mVp-p	150mVp-p
	Voltage regulation range	±10%		
	Voltage precision	±2.0%	±1.0%	±1.0%
	Linear adjustment rate	±0.5%	±0.5%	±0.5%
	Load regulation rate	±1.0%	±0.5%	±0.5%
	Start up time	1000ms、30ms/230VAC 2000ms、30ms/115VAC(full load)		
	Hold time	30ms/230VAC 12ms/115VAC(full load)		
Input	Voltage range / frequency	85-264VAC /120-373VDC 47Hz~63Hz		
	Efficiency (typical)②	82%	86%	88%
	Working current	0.7A/115VAC 0.42A/230VAC		
	Shock current	Cold start: 45A/230VAC		
	Leakage current	<1mA 240VAC		
Protection characteristics	Overload protection	⩾110% - 130% Protection type: Hiccup mode, remove abnormal conditions and automatically return to normal		
	Overvoltage protection	⩾115% - 145% Protection type: close the output, restart and automatically return to normal		
	Short circuit protection	+VO drops to undervoltage point to close output		
Environment	Operating temperature、humidity	-30°C~+70°C；20%~90RH		
	Storage temperature、humidity	-40°C~+85°C；10%~95RH		
Security	Pressure resistance	Input - output :4KVAC input - case :2KVAC output - case: 1.25KVAC duration :1 minute		
	Insulation impedance	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ 25 °C 70% RH		
Other	Size	98*82*30mm(L*W*H)		
	Net weight / gross weight	230g/246g		
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.			

RPS-50

1U ULTRA-THIN SINGLE GROUP OUTPUT **POWER SUPPLY**

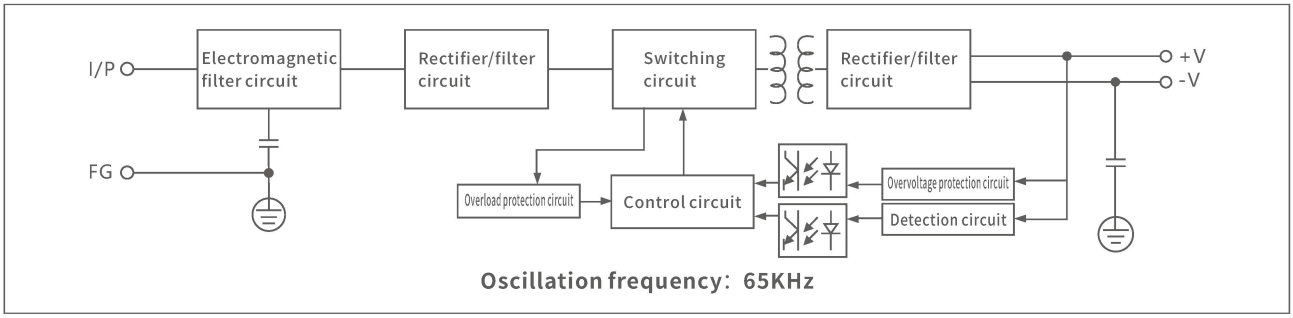


Product overview

The RPS-50 series is a 50 single group output enclosed power supply with a 30mm low profile design and a full range of AC inputs of 85 to 264VAC. The entire series provides 12V and 24V output.

In addition to the efficiency of up to 90%, the design of the metal mesh housing enhances the heat dissipation ability, allowing the RPS-50 to operate in the temperature range of - 30 °C to+70 °C without a fan. Providing ultra-low no-load power consumption (less than 0.3W) makes it easy for the terminal system to meet international energy requirements. RPS-50 have complete protection functions and resistance to 5G vibration; It complies with TUV EN60950-1、EN60335-1、EN61558-1/-2-16、UL60950-1 and GB4943 international safety regulations. The RPS-50 series provide a cost-effective solution for various industrial applications.

Principle diagram



Technical parameter

Type		Technical indicators	
Output	DC voltage	12V	24V
	Rated current	4.2A	2.2A
	Rated power	50.4W	52.8W
	Ripple and noise①	120mVp-p	150mVp-p
	Voltage regulation range	±10%	
	Voltage precision	±1.0%	±1.0%
	Linear adjustment rate	±0.5%	±0.5%
	Load regulation rate	±0.5%	±0.5%
	Start up time	1000ms、30ms/230VAC 2000ms、30ms/115VAC(full load)	
	Hold time	30ms/230VAC 12ms/115VAC(full load)	
Input	Voltage range / frequency	85-264VAC /120-373VDC 47Hz~63Hz	
	Efficiency (typical)②	86%	88%
	Working current	0.95A/115VAC 0.56A/230VAC	
	Shock current	Cold start: 45A/230VAC	
	Leakage current	<1mA 240VAC	
Protection characteristics	Overload protection	⩾110% - 130% Protection type: Hiccup mode, remove abnormal conditions and automatically return to normal	
	Overvoltage protection	⩾115% - 145% Protection type: close the output, restart and automatically return to normal	
	Short circuit protection	+VO drops to undervoltage point to close output	
Environment	Operating temperature、humidity	-30°C~+70°C；20%~90RH	
	Storage temperature、humidity	-40°C~+85°C；10%~95RH	
Security	Pressure resistance	Input - output :4KVAC input - case :2KVAC output - case: 1.25KVAC duration :1 minute	
	Insulation impedance	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ 25 °C 70% RH	
Other	Size	98*82*30mm(L*W*H)	
	Net weight / gross weight	230g/246g	
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.		

RPS-100

1U ULTRA-THIN SINGLE GROUP OUTPUT **POWER SUPPLY**

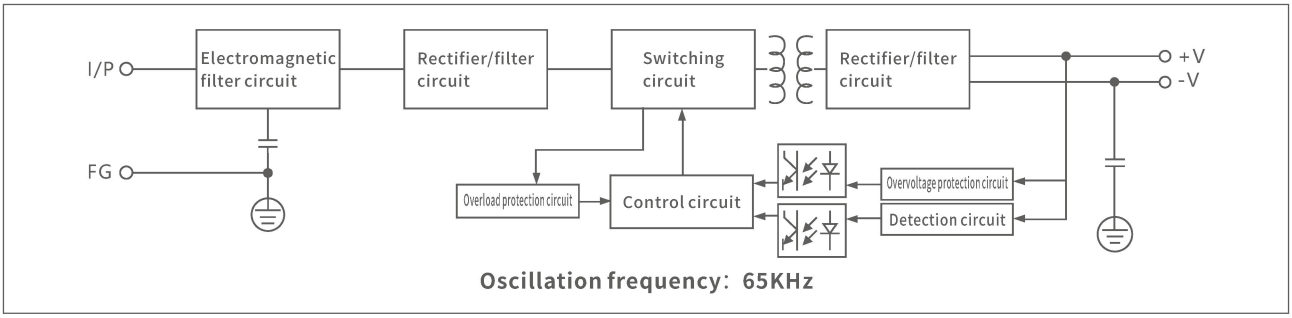


Product overview

The RPS-100 series is a 100W single group output enclosed power supply with a 30mm low profile design and a full range of AC inputs of 85 to 264VAC. The entire series provides 12V、24V and 48V output.

In addition to the efficiency of up to 90%, the design of the metal mesh housing enhances the heat dissipation ability, allowing the RPS-100 to operate in the temperature range of - 30 °C to+70 °C without a fan. Providing ultra-low no-load power consumption (less than 0.3W) makes it easy for the terminal system to meet international energy requirements. RPS-100 has complete protection functions and resistance to 5G vibration; It complies with TUV EN60950-1、EN60335-1、 EN61558-1/-2-16、UL60950-1 and GB4943 international safety regulations. The RPS-100 series provides a cost-effective solution for various industrial applications.

Principle diagram



Technical parameter

Type		Technical indicators		
Output	DC voltage	12V	24V	48V
	Rated current	8.5A	4.5A	2.3A
	Rated power	102W	108W	110.4W
	Ripple and noise①	120mVp-p	150mVp-p	200mVp-p
	Voltage regulation range	±10%		
	Voltage precision	±1.0%	±1.0%	±1.0%
	Linear adjustment rate	±0.5%	±0.5%	±0.5%
	Load regulation rate	±0.5%	±0.5%	±0.5%
	Start up time	500ms、30ms/230VAC 500ms、30ms/115VAC(full load)		
	Hold time	55ms/230VAC 10ms/115VAC(full load)		
Input	Voltage range / frequency	85-264VAC /120-373VDC 47Hz~63Hz		
	Efficiency (typical)②	88%	89%	90%
	Working current	1.9A/115VAC 1.2A/230VAC		
	Shock current	Cold start: 50A/230VAC		
	Leakage current	<1mA 240VAC		
Protection characteristics	Overload protection	⩾110% - 130% Protection type: Hiccup mode, remove abnormal conditions and automatically return to normal		
	Overvoltage protection	⩾115% - 145% Protection type: close the output, restart and automatically return to normal		
	Short circuit protection	+VO drops to undervoltage point to close output		
Environment	Operating temperature、humidity	-30°C~+70°C；20%~90RH		
	Storage temperature、humidity	-40°C~+85°C；10%~95RH		
Security	Pressure resistance	Input - output :4KVAC input - case :2KVAC output - case: 1.25KVAC duration :1 minute		
	Insulation impedance	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ 25 °C 70% RH		
Other	Size	129*97*30mm(L*W*H)		
	Net weight / gross weight	340g/365g		
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.			

RPS-150

1U ULTRA-THIN SINGLE GROUP OUTPUT **POWER SUPPLY**

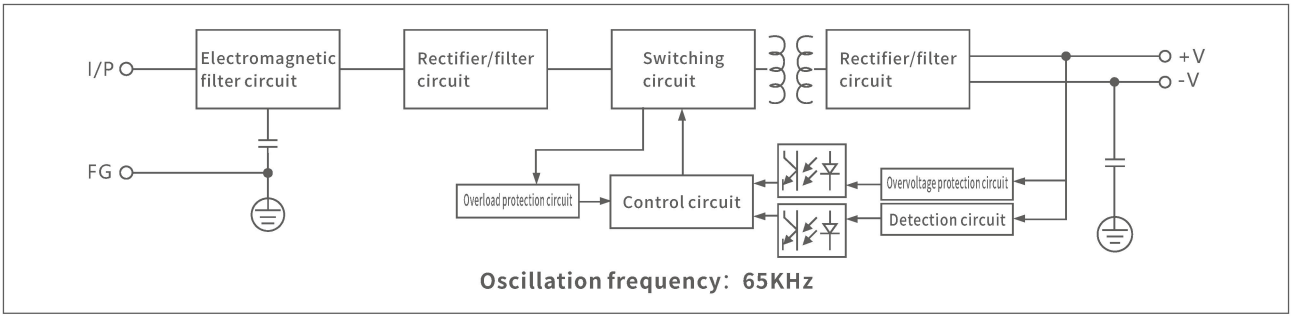


Product overview

The RPS-150 series is a 150 single group output enclosed power supply with a 30mm low profile design and 110/220VAC selectable input. The entire series provides 12V and 24V outputs.

In addition to the efficiency of up to 90%, the design of the metal mesh housing enhances the heat dissipation ability, allowing the RPS-150 to operate in the temperature range of - 30 °C to+70 °C without a fan. Providing ultra-low no-load power consumption (less than 0.3W) makes it easy for the terminal system to meet international energy requirements. The RPS-150 has complete protection functions and resistance to 5G vibration; It complies with TUV EN60950-1、EN60335-1、EN61558-1/-2-16、UL60950-1 and GB4943 international safety regulations. The RPS-150 series provides a cost-effective solution for various industrial applications.

Principle diagram

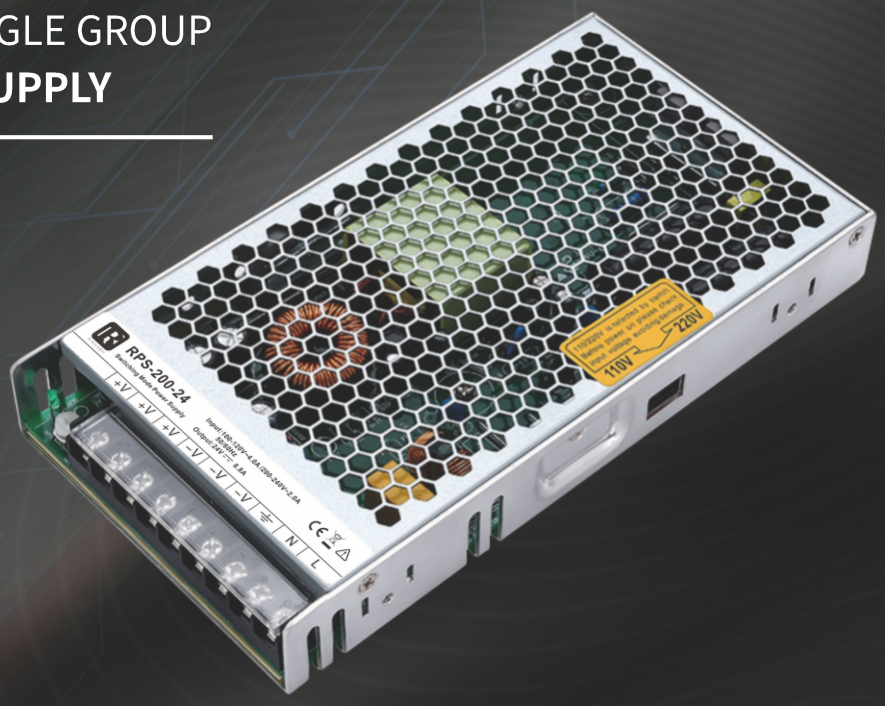


Technical parameter

Type		Technical indicators	
Output	DC voltage	12V	24V
	Rated current	12.5A	6.5A
	Rated power	150W	156W
	Ripple and noise①	150mVp-p	200mVp-p
	Voltage regulation range	±10%	
	Voltage precision	±1.0%	±1.0%
	Linear adjustment rate	±0.5%	±0.5%
	Load regulation rate	±0.5%	±0.5%
	Start up time	500ms、30ms/230VAC 500ms、30ms/115VAC(full load)	
	Hold time	40ms/230VAC 35ms/115VAC(full load)	
Input	Voltage range / frequency	85-132VAC/170-264VAC select by switch/240-370VDC 47Hz~63Hz	
	Efficiency (typical)②	87%	89%
	Working current	2A/115VAC 1.3A/230VAC	
	Shock current	Cold start: 60A/230VAC	
	Leakage current	<1mA 240VAC	
Protection characteristics	Overload protection	⩾110% - 130% Protection type: Hiccup mode, remove abnormal conditions and automatically return to normal	
	Overvoltage protection	⩾115% - 145% Protection type: close the output, restart and automatically return to normal	
	Short circuit protection	+VO drops to undervoltage point to close output	
Environment	Operating temperature、humidity	-30°C~+70°C；20%~90RH	
	Storage temperature、humidity	-40°C~+85°C；10%~95RH	
Security	Pressure resistance	Input - output :4KVAC input - case :2KVAC output - case: 1.25KVAC duration :1 minute	
	Insulation impedance	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ 25 °C 70% RH	
Other	Size	159*97*30mm(L*W*H)	
	Net weight / gross weight	480g/513g	
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.		

RPS-200

1U ULTRA-THIN SINGLE GROUP OUTPUT **POWER SUPPLY**

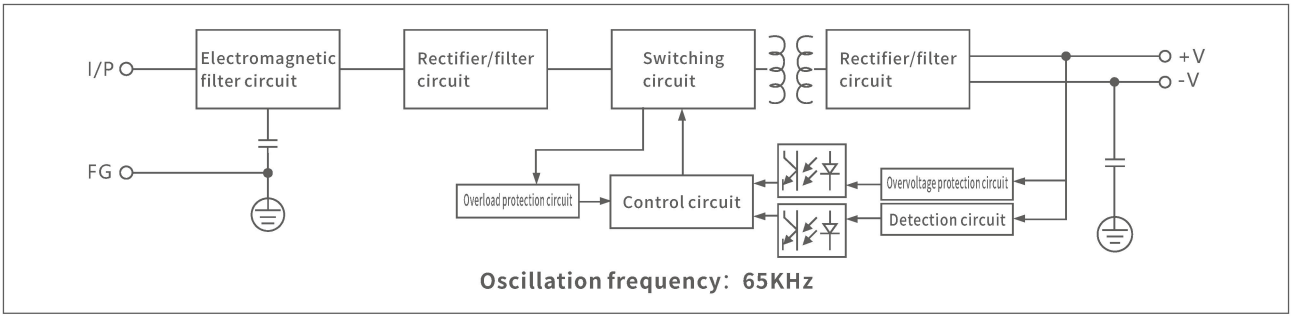


Product overview

The RPS-200 series are 200 single group output enclosed power supplies with a 30mm low profile design and 110/220VAC selectable inputs. The entire series provides 12V、24V and 48V output.

In addition to the efficiency of up to 90%, the design of the metal mesh housing enhances the heat dissipation ability, allowing the RPS-200 (350W with fan cooling) to operate in the temperature range of - 25 °C to+70 °C without a fan. Providing ultra-low no-load power consumption (less than 0.3W) makes it easy for the terminal system to meet international energy requirements. The RPS-200 have complete protection functions and resistance to 5G vibration; It complies with TUV EN60950-1、 EN60335-1、 EN61558-1/-2-16、 UL60950-1 and GB4943 international safety regulations. The RPS-200 series provide a cost-effective solution for various industrial applications.

Principle diagram



Technical parameter

Type		Technical indicators		
Output	DC voltage	12V	24V	48V
	Rated current	17A	8.8A	4.4A
	Rated power	204W	211.2W	211.2W
	Ripple and noise①	150mVp-p	150mVp-p	200mVp-p
	Voltage regulation range	±10%		
	Voltage precision	±1.5%	±1.0%	±1.0%
	Linear adjustment rate	±0.5%	±0.5%	±0.5%
	Load regulation rate	±1.0%	±0.5%	±0.5%
	Start up time	1500ms、50ms/230VAC 1500ms、50ms/115VAC(full load)		
	Hold time	16ms/230VAC 12ms/115VAC(full load)		
Input	Voltage range / frequency	90-132VAC/180-264VAC select by switch/240-370VDC 47Hz~63Hz		
	Efficiency (typical)②	87%	89%	90%
	Working current	4A/115VAC 2.2A/230VAC		
	Shock current	Cold start：60A/115VAC 60A/230VAC		
	Leakage current	<1mA 240VAC		
Protection characteristics	Overload protection	⩾110% - 130% Protection type: Hiccup mode, remove abnormal conditions and automatically return to normal		
	Overvoltage protection	⩾115% - 145% Protection type: close the output, restart and automatically return to normal		
	Over temperature protection	⩾ 90 °C protection type: close the output, restart and automatically restore to normal		
	Short circuit protection	+VO drops to undervoltage point to close output		
Environment	Operating temperature、humidity	-30°C~+70°C；20%~90RH		
	Storage temperature 、humidity	-40°C~+85°C；10%~95RH		
Security	Pressure resistance	Input - output :4KVAC input - case :2KVAC output - case: 1.25KVAC duration :1 minute		
	Insulation impedance	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ 25 °C 70% RH		
Other	Size	215*115*30mm(L*W*H)		
	Net weight / gross weight	660g/727g		
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.			

RPS-350

1U ULTRA-THIN SINGLE GROUP OUTPUT **POWER SUPPLY**

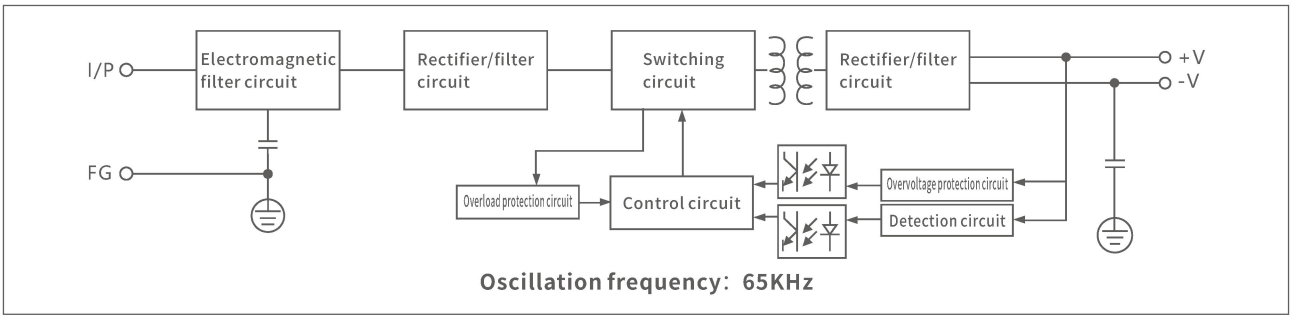


Product overview

The RPS-350 series are 350 single group output enclosed power supplies with a 30mm low profile design and 110/220VAC selectable inputs. The entire series provides 12V、24V and 48V output.

In addition to the efficiency of up to 90%, the design of the metal mesh housing enhances the heat dissipation ability, allowing the RPS-350 (350W with fan cooling) to operate in the temperature range of - 25 °C to+70 °C without a fan. Providing ultra-low no-load power consumption (less than 0.3W) makes it easy for the terminal system to meet international energy requirements. The RPS-350 have complete protection functions and resistance to 5G vibration; It complies with TUV EN60950-1、 EN60335-1、 EN61558-1/-2-16、 UL60950-1 and GB4943 international safety regulations. The RPS-350 series provide a cost-effective solution for various industrial applications.

Principle diagram



Technical parameter

Type		Technical indicators		
Output	DC voltage	12V	24V	48V
	Rated current	29A	14.6A	7.3A
	Rated power	348W	350.4W	350.4W
	Ripple and noise ①	150mVp-p	150mVp-p	200mVp-p
	Voltage regulation range	±10%		
	Voltage accuracy	±1.5%	±1.0%	±1.0%
	Linear adjustment rate	±0.5%	±0.5%	±0.5%
	Load adjustment rate	±1.0%	±0.5%	±0.5%
	Starting and rising time	1500ms、50ms/230VAC 1500ms、50ms/115VAC(full load)		
	Hold time	16ms/230VAC 12ms/115VAC(full load)		
Input	Voltage range/frequency	90-132VAC/180-264VAC select by switch/240-370VDC 47Hz~63Hz		
	Efficiency (typical) ②	86%	89%	90%
	Operating current	6.8/115VAC 3.4A/230VAC		
	Impulse current	Cold start: 60A/115VAC 60A/230VAC		
	Leakage current	<1mA 240VAC		
Protection characteristics	Overload protection	⩾110% - 130% Protection type: Hiccup mode, remove abnormal conditions and automatically return to normal		
	Overvoltage protection	⩾115% - 145% Protection type: close the output, restart and automatically return to normal		
	Over temperature protection	⩾ 90 °C protection type: close the output, restart and automatically restore to normal		
	Short circuit protection	+VO drops to undervoltage point to close output		
Function	Fan switch control	⩾ 60 °C fan starts, ⩽ 50 °C fan stops		
Environment	Operating temperature、humidity	-25°C~+70°C; 20%~90RH		
	Storage temperature、humidity	-40°C~+85°C; 10%~95RH		
Security	Withstand voltage	Input - output :4KVAC input - case :2KVAC output - case: 1.25KVAC duration :1 minute		
	Insulation impedance	Input - output and input - shell, output - shell: 500 VDC / 100 mΩ 25 °C 70% RH		
Other	Size	215*115*30mm(L*W*H)		
	Net weight/gross weight	760g/827g		
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.			