



Блоки питания в кожухе серии SP

Технические характеристики



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Features

- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temperature (SP-150 / 200 / 240)
- Cooling by free air convection (SP-75 / 100 / 150)
- Forced air cooling by built-in DC fan (SP-200 / 240)
- Optional remote ON/OFF control (SP-75~200)
- Built-in fan speed control (SP-200)
- Built-in fan ON/OFF control (SP-240)
- 100% full load burn-in test
- 3 years warranty



Model No.	SP-75	SP-100	SP-150	SP-200	SP-240	
AC input voltage range	85~264VAC; 120~370VDC				88~264VAC; 124~370VDC	
AC inrush current (max.)	Cold start, 45A at 230VAC	Cold start, 35A at 230VAC	Cold start, 45A at 230VAC	Cold start, 50A at 230VAC	Cold start, 40A at 230VAC	
DC adjustment range	-5%~+10% rated output voltage				±15% rated output voltage	
Overload protection	Range 105%~150%				105%~135%	
	Type Constant current limiting, auto-recovery				Hiccup mode, auto-recovery	
Over voltage protection	Range 115%~135%		110%~135%		120%~150%	
	Type Shut off, AC recycle to re-start					
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG: 1.5kVAC, O/P-FG: 0.5kVAC, 1 minute					
Working temperature	-10~+60°C		-10~+55°C	-10~+60°C	-20~+70°C	
Safety standards	UL60950-1, TUV EN60950-1, GB4943(SP-200 only) approved					
EMC standards	EN55022 class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, GB9254(SP-200 only)					
Connection	5P / 9.5mm pitch		7P / 9.5mm pitch terminal block with cover			
Dimension (LxWxH)(mm)	179x 97x 33	179x 99x 45	199x 99x 50	199x 99x 50	190x 93x 50	
Case No.	920A	915A	916A	916B	987A	
Packing	20pcs/12.0kg	20pcs/14.3kg	20pcs/16.4kg	20pcs/17.9kg	18pcs/15.4kg	

75W SP-75

Model No.	Output	Tol.	R&N	Effi.
SP-75-3.3	3.3V, 0~15A	±2%	80mV	70.0%
SP-75-5	5V, 0~15A	±2%	80mV	76.0%
SP-75-7.5	7.5V, 0~10A	±2%	80mV	79.0%
SP-75-12	12V, 0~6.3A	±2%	80mV	81.0%
SP-75-13.5	13.5V, 0~5.6A	±2%	80mV	82.0%
SP-75-15	15V, 0~5.0A	±2%	80mV	82.0%
SP-75-24	24V, 0~3.2A	±1%	100mV	83.0%
SP-75-27	27V, 0~2.8A	±1%	100mV	83.0%
SP-75-48	48V, 0~1.6A	±1%	100mV	83.0%

100W SP-100

Model No.	Output	Tol.	R&N	Effi.
SP-100-3.3	3.3V, 0~20.0A	±2%	100mV	75.0%
SP-100-5	5V, 0~20.0A	±2%	100mV	79.0%
SP-100-7.5	7.5V, 0~13.5A	±2%	100mV	82.0%
SP-100-12	12V, 0~8.50A	±2%	100mV	82.5%
SP-100-13.5	13.5V, 0~7.50A	±2%	100mV	83.0%
SP-100-15	15V, 0~6.70A	±2%	100mV	84.0%
SP-100-24	24V, 0~4.20A	±1%	150mV	87.0%
SP-100-27	27V, 0~3.80A	±1%	150mV	86.0%
SP-100-48	48V, 0~2.10A	±1%	250mV	84.0%

150W SP-150

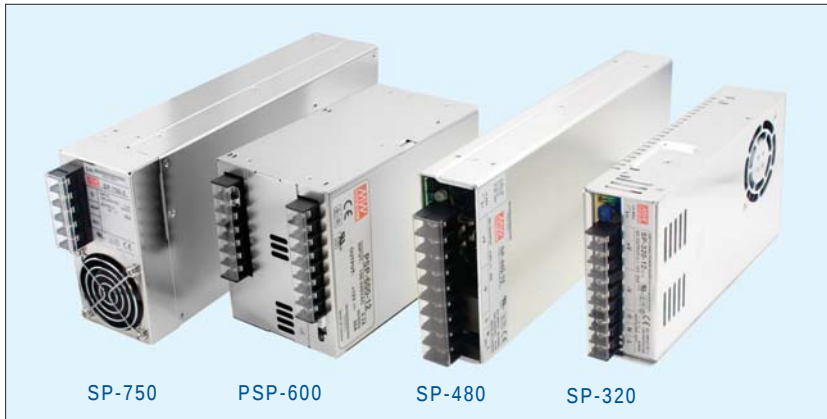
Model No.	Output	Tol.	R&N	Effi.
SP-150-3.3	3.3V, 0~30.0A	±2%	100mV	73.0%
SP-150-5	5V, 0~30.0A	±2%	100mV	77.5%
SP-150-7.5	7.5V, 0~20.0A	±2%	100mV	81.0%
SP-150-12	12V, 0~12.5A	±2%	100mV	84.0%
SP-150-13.5	13.5V, 0~11.2A	±2%	100mV	84.0%
SP-150-15	15V, 0~10.0A	±2%	100mV	85.0%
SP-150-24	24V, 0~6.30A	±1%	150mV	85.0%
SP-150-27	27V, 0~5.60A	±1%	150mV	85.0%
SP-150-48	48V, 0~3.20A	±1%	250mV	85.0%

200W SP-200

Model No.	Output	Tol.	R&N	Effi.
SP-200-3.3	3.3V, 0~40.0A	±2%	100mV	69.0%
SP-200-5	5V, 0~40.0A	±2%	100mV	76.0%
SP-200-7.5	7.5V, 0~26.7A	±2%	100mV	78.5%
SP-200-12	12V, 0~16.7A	±2%	100mV	84.0%
SP-200-13.5	13.5V, 0~14.9A	±2%	100mV	84.0%
SP-200-15	15V, 0~13.4A	±2%	100mV	84.0%
SP-200-24	24V, 0~8.40A	±1%	150mV	85.0%
SP-200-27	27V, 0~7.50A	±1%	150mV	85.0%
SP-200-48	48V, 0~4.20A	±1%	250mV	85.0%

240W SP-240

Model No.	Output	Tol.	R&N	Effi.
SP-240-5	5V, 0~45A	±2%	150mV	79.0%
SP-240-7.5	7.5V, 0~32A	±2%	150mV	83.0%
SP-240-12	12V, 0~20A	±1%	150mV	86.0%
SP-240-15	15V, 0~16A	±1%	150mV	86.0%
SP-240-24	24V, 0~10A	±1%	150mV	87.0%
SP-240-30	30V, 0~8.0A	±1%	150mV	88.0%
SP-240-48	48V, 0~5.0A	±1%	150mV	89.0%



Features

- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC fan
- Built-in fan speed control (SP-320)
- Built-in remote sense function and ON/OFF control (SP-480/750 & PSP-600)
- Current sharing up to 2400W (3+1) (PSP-600)
- With DC OK signal output (PSP-600)
- With PG/PF signal output (SP-750)
- 100% full load burn-in test
- 3 years warranty

Model No.	SP-320	SP-480	PSP-600	SP-750
AC input voltage range	88~264VAC	85~264VAC	88~264VAC	90~264VAC
AC inrush current (max.)	Cold start, 40A at 230VAC			Cold Start, 45A at 230VAC
DC adjustment range	±10% rated output voltage			
Overload protection	Range	105%~135%	105%~145%	105%~135%
	Type	Hiccup mode, auto-recovery	Constant current limiting, auto-recovery	Constant current limiting, auto-recovery
Over voltage protection	115%~145%	115%~140%		
Withstand voltage	I/P - O/P: 3kVAC, I/P - FG: 1.5kVAC, O/P - FG: 0.5kVAC(short for SP-480), 1 minute			
Working temperature	-20~+65°C	-20~+60°C		
Safety standards	UL60950-1, TUV EN60950-1 approved; GB4943 approved also for SP-320 (expect for 3.3V/ 5PNC/ 36V)			
EMC standards	EN55022 class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, EN61000-6-2(SP-480/750), GB9254 (SP-320 only)			
Connection	9P / 9.5mm pitch terminal block with cover	9P / 11mm pitch terminal block with cover	7+8P / 9.5mm pitch terminal block with cover	5P / 10mm pitch terminal block with cover for input; copper pillars for output
Dimension (LxWxH)(mm)	215x115x50	278x127x43	170x120x93	278x127x63.5
Case No.	912G	929A	910A	919A
Packing	12pcs / 14.0kg	6pcs / 11.3kg	8pcs / 15.5kg	6pcs / 18.4kg

SP-320 Series



Model No.	Output	Tol.	R&N	Effi.
*SP-320-3.3	3.3V, 0~60.0A	±1%	150mV	74%
SP-320-5	5V, 0~55.0A	±2%	150mV	79%
*SP-320-5PNC	5V, 0~55.0A	±2%	150mV	80%
SP-320-7.5	7.5V, 0~40.0A	±2%	150mV	83%
SP-320-12	12V, 0~25.0A	±1%	150mV	86%
SP-320-13.5	13.5V, 0~22.0A	±1%	150mV	86%
SP-320-15	15V, 0~20.0A	±1%	150mV	86%
SP-320-24	24V, 0~13.0A	±1%	150mV	87%
SP-320-27	27V, 0~11.7A	±1%	200mV	88%
*SP-320-36	36V, 0~8.80A	±1%	220mV	87%
SP-320-48	48V, 0~6.70A	±1%	240mV	89%

* Without models

❖ SP-320-5PNC with conformal coating and high ambient temperature operation ability is suitable for LED moving sign applications, MOQ required.

SP-480 Series



Model No.	Output	Tol.	R&N	Effi.
SP-480-3.3	3.3V, 0~85A	±2.0%	80mV	73%
SP-480-5	5V, 0~85A	±2.0%	80mV	79%
SP-480-12	12V, 0~43A	±1.5%	120mV	85%
SP-480-15	15V, 0~35A	±1.5%	150mV	85%
SP-480-24	24V, 0~22A	±1.0%	150mV	87%
SP-480-48	48V, 0~11A	±1.0%	240mV	89%

PSP-600 Series



Model No.	Output	Tol.	R&N	Effi.
PSP-600-5	5V, 0~80A	±2%	180mV	79%
PSP-600-12	12V, 0~50A	±1%	240mV	84%
PSP-600-13.5	13.5V, 0~44.5A	±1%	240mV	85%
PSP-600-15	15V, 0~40A	±1%	240mV	85%
PSP-600-24	24V, 0~25A	±1%	240mV	86%
PSP-600-27	27V, 0~22.2A	±1%	240mV	86%
PSP-600-48	48V, 0~12.5A	±1%	300mV	87%

SP-750 Series



Model No.	Output	Tol.	R&N	Effi.
SP-750-5	5V, 0~120A	±2%	120mV	80%
SP-750-12	12V, 0~62.5A	±1%	120mV	85%
SP-750-15	15V, 0~50.0A	±1%	120mV	87%
SP-750-24	24V, 0~31.3A	±1%	120mV	89%
SP-750-27	27V, 0~27.8A	±1%	120mV	89%
SP-750-48	48V, 0~15.7A	±1%	120mV	90%

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