



### Features

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC fan
- Built-in remote sense function and ON/OFF control (SP-480/500/750)
- Built-in fan speed control (SP-320)
- Built-in fan ON/OFF control (SP-500)
- With PG/PF signal output (SP-750)
- 100% full load burn-in test
- 3 years warranty

### General Specification (Please refer to [www.meanwell.com](http://www.meanwell.com) for detail spec.)

Model No.	SP-320	SP-480	SP-500	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, 36A 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	Fold back current limiting, auto-recovery
Over voltage protection	115%~145%	115%~140%		105%~125%
Withstand voltage	I/P - O/P: 3kVAC, I/P - FG: 1.5kVAC, O/P - FG: 0.5kVAC, 1 minute			
Working temperature	-20~+65°C	-20~+60°C	-10~+50°C	-20~+60°C
Safety standards	UL60950-1, TUV EN65950-1 approved, GB4943 approved also for SP-320			
EMC standards	EN55022 class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, ENV50204, EN61000-6-2(SP-320 / 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	929	910	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%

\*SP-320-5PNC with conformal coating and high ambient temperature operation ability is suitable for LED moving sign applications

### 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%

### SP-500 Series



Model No.	Output	Tol.	R&N	Effi.
SP-500-12	12V, 0~40A	±1%	240mV	84.0%
SP-500-13.5	13.5V, 0~36A	±1%	240mV	84.0%
SP-500-15	15V, 0~32A	±1%	240mV	83.0%
SP-500-24	24V, 0~20A	±1%	240mV	85.5%
SP-500-27	27V, 0~18A	±1%	200mV	86.5%
SP-500-48	48V, 0~10A	±1%	300mV	87.0%

### SP-750 Series



Model No.	Output	Tol.	R&N	Effi.
SP-750-5	5V, 0~120A	±2%	120mV	81%
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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