



Features

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Output voltage programmable from 20~110% by 1~5.5VDC external control signal
- Forced air cooling by built-in DC fan with fan speed control (except for SPV-150)
- Cooling by free air convection (SPV-150)
- Built-in remote sense and ON/OFF control (SPV-600/1500)
- Built-in 12V/0.1A auxiliary output and current sharing up to 4500W (SPV-1500)
- 3 years warranty

General Specification (Please refer to www.meanwell.com for detail spec.)

Model No.	SPV-150	SPV-300	SPV-600 NEW	SPV-1500
AC input voltage range	88~264VAC, 124~370VDC			90~264VAC, 127~370VDC
AC inrush current (max.)	Cold start, 40A at 230VAC			Cold Start, 60A at 230VAC
DC adjustment range	-15%~+10% rated output voltage		±5% rated output voltage	
Overload protection	Range	105%~150%	105%~135%	
	Type	Constant current limiting, auto-recovery		
Over voltage protection	115%~140%			120%~140%
Withstand voltage	I/P - O/P: 3kVAC, I/P - FG: 1.5kVAC, O/P - FG: 0.5kVAC, 1 minute			
Working temperature	-20~+65°C (refer to output derating curve)		-20~+60°C	-20~+70°C
Safety standards	UL60950-1, TUV EN60950-1 approved			
EMC standards	EN55022 class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, ENV50204, EN55024, light industry level, criteria A			
Connection	9P / 9.5mm pitch terminal block with cover		15P / 9.5mm pitch terminal block with cover	3P / 13mm pitch terminal block with cover for input; copper pillars for output
Dimension (LxWxH)(mm)	215x115x50		170x120x93	278x127x83.5
Case No.	912L		910A	943A
Packing	12pcs / 14.0kg		8pcs / 15.5kg	6pcs / 16.6kg

150W



Model No.	Output	Tol.	R&N	Effi.
SPV-150-12	12V, 0~12.5A	±1%	150mV	82%
SPV-150-24	24V, 0~6.25A	±1%	150mV	83%
SPV-150-48	48V, 0~3.125A	±1%	240mV	83%

600W



Model No.	Output	Tol.	R&N	Effi.
SPV-600-12	12V, 0~50A	±1%	240mV	84%
SPV-600-24	24V, 0~25A	±1%	240mV	86%
SPV-600-48	48V, 0~12.5A	±1%	300mV	87%

300W



Model No.	Output	Tol.	R&N	Effi.
SPV-300-12	12V, 0~25A	±1%	150mV	83.5%
SPV-300-24	24V, 0~12.5A	±1%	150mV	85.0%
SPV-300-48	48V, 0~6.25A	±1%	240mV	86.5%

1500W



Model No.	Output	Tol.	R&N	Effi.
SPV-1500-12	12V, 0~125A	±1%	150mV	86.5%
SPV-1500-24	24V, 0~63A	±1%	150mV	90.0%
SPV-1500-48	48V, 0~32A	±1%	200mV	90.0%



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