



Automatización Eléctrica

Especialistas en Automatización

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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

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



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%

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%

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%

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%

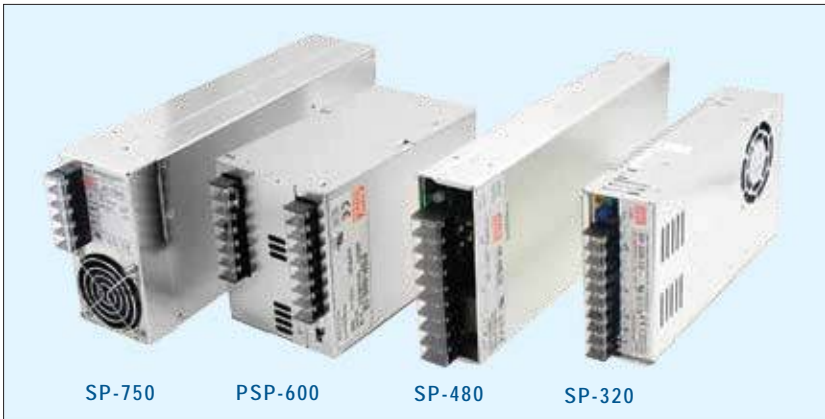
240W SP-240

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%



48hrs delivery—

We keep enough stock for 95% of standard models at our 2400m² warehouse. We can arrange prompt delivery within 48hrs.



■ 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

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

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%		105%~125%
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%



Who can provide you better services and be a trustworthy partner in the power industry?

— "MEAN WELL" tries to be —



■ Features

- Ultra low profile: 30mm
- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temperature (RSP-100/150/200)
- Cooling by free air convection
- Built-in constant current limiting circuit (RSP-75/100/150)
- Remote ON/OFF control (RSP-75/100/150)
- LED indicator for power on
- 3 years warranty

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



Model No.	RSP-75	RSP-100	RSP-150	RSP-200
AC input voltage range	85~264VAC; 120~370VDC			88~264VAC; 124~370VDC
AC inrush current (max.)	Cold start, 35A at 230VAC	30A at 230VAC	45A at 230VAC	40A at 230VAC
DC adjustment range	-5%~+10% rated output voltage			±10% rated output voltage
Overload protection	Range	105%~135%	105%~150%	
	Type	Constant current limiting, auto-recovery		Hiccup mode, auto-recovery
Over voltage protection	Range	110%~135%		115%~145%
	Type	Shut down O/P voltage, re-power on to recover		
Withstand voltage	I/P-O/P: 3.75kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC			I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC
Working temperature	-25~+70°C	-30~+70°C (refer to output derating curve)		
Safety standards	UL60950-1, TUV EN60950-1, EN61558-1, EN61558-2-16, CCC GB4943 approved; UL62368-1 approved for RSP-150 only			UL60950-1, TUV EN60950-1, CCC GB4943 approved
EMC standards	EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, GB9254			
Connection	5P / 9.5mm pitch terminal block	7P / 9.5mm pitch terminal block	9P / 9.5mm pitch terminal block	
Dimension (LxWxH) (mm)	159x97x30	179x99x30	199x99x30	215x115x30

■ 75W

NEW RSP-75

Model No.	Output	Tol.	R&N	Effi.
RSP-75-3.3	3.3V, 0~15A	±2%	80mV	76.0%
RSP-75-5	5V, 0~15A	±2%	80mV	82.0%
RSP-75-7.5	7.5V, 0~10A	±2%	80mV	84.0%
RSP-75-12	12V, 0~6.3A	±2%	120mV	85.0%
RSP-75-13.5	13.5V, 0~5.6A	±2%	120mV	85.0%
RSP-75-15	15V, 0~5A	±2%	120mV	86.0%
RSP-75-24	24V, 0~3.2A	±1%	120mV	87.0%
RSP-75-27	27V, 0~2.8A	±1%	120mV	88.0%
RSP-75-48	48V, 0~1.6A	±1%	200mV	89.0%

■ 150W

RSP-150

Model No.	Output	Tol.	R&N	Effi.
RSP-150-3.3	3.3V, 0~30A	±2%	100mV	81.5%
RSP-150-5	5V, 0~30A	±2%	100mV	87.0%
RSP-150-7.5	7.5V, 0~20A	±2%	100mV	88.5%
RSP-150-12	12V, 0~12.5A	±2%	100mV	90.0%
RSP-150-13.5	13.5V, 0~11.2A	±2%	100mV	87.5%
RSP-150-15	15V, 0~10A	±2%	100mV	88.5%
RSP-150-24	24V, 0~6.3A	±1%	150mV	89.0%
RSP-150-27	27V, 0~5.6A	±1%	150mV	89.5%
RSP-150-48	48V, 0~3.2A	±1%	250mV	90.0%

■ 100W

NEW RSP-100

Model No.	Output	Tol.	R&N	Effi.
RSP-100-3.3	3.3V, 0~20A	±2%	100mV	83.0%
RSP-100-5	5V, 0~20A	±2%	100mV	86.0%
RSP-100-7.5	7.5V, 0~13.5A	±2%	100mV	87.0%
RSP-100-12	12V, 0~8.5A	±1%	100mV	86.0%
RSP-100-13.5	13.5V, 0~7.5A	±1%	100mV	86.5%
RSP-100-15	15V, 0~6.7A	±1%	100mV	87.0%
RSP-100-24	24V, 0~4.2A	±1%	150mV	87.0%
RSP-100-27	27V, 0~3.8A	±1%	150mV	87.0%
RSP-100-48	48V, 0~2.1A	±1%	250mV	88.0%

■ 200W

RSP-200

Model No.	Output	Tol.	R&N	Effi.
RSP-200-2.5	2.5V, 0~40A	±2%	100mV	79.5%
RSP-200-3.3	3.3V, 0~40A	±2%	100mV	81.5%
RSP-200-4	4V, 0~40A	±2%	100mV	84.0%
RSP-200-5	5V, 0~40A	±2%	150mV	85.5%
RSP-200-7.5	7.5V, 0~26.7A	±2%	150mV	89.0%
RSP-200-12	12V, 0~16.7A	±1%	150mV	89.0%
RSP-200-13.5	13.5V, 0~14.9A	±1%	150mV	89.0%
RSP-200-15	15V, 0~13.4A	±1%	150mV	89.5%
RSP-200-24	24V, 0~8.4A	±1%	150mV	89.5%
RSP-200-27	27V, 0~7.5A	±1%	200mV	89.0%
RSP-200-36	36V, 0~5.56A	±1%	220mV	90.0%
RSP-200-48	48V, 0~4.2A	±1%	240mV	90.0%



Features

- 1U low profile
- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temp. / Fan alarm (RSP-750)
- Forced air cooling by built-in DC fan
- Vo can be trimmed 40~110% by 2~5.5VDC external control signal (RSP-750)
- Io can be trimmed 40~110% by 2~5.5VDC external control signal (RSP-750)
- Built-in remote sense and ON/OFF control (RSP-500/750)
- Built-in auxiliary power (RSP-750)
- DC OK signal (RSP-750)
- LED indicator for power on
- 3 years warranty

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



Model No.	RSP-320	RSP-500	RSP-750
AC input voltage range	88~264VAC; 124~370VDC	85~264VAC; 120~370VDC	90~264VAC; 127~370VDC
AC inrush current(max.)	Cold start, 40A at 230VAC		
DC adjustment range	±10% rated output voltage		
Overload protection	Range	105%~135%	105%~130%
	Type	Hiccup mode, auto-recovery	Constant current limiting, auto-recovery
Over voltage protection	Range	115%~145%	
	Type	Shut down O/P voltage, re-power on to recover	
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC		
Working temperature	-30~+70°C (refer to output derating curve)		
Safety standards	UL60950-1, TUV EN60950-1 approved; CCC GB4943 approved for RSP-320 only		
EMC standards	EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61000-6-2(RSP-500/750), GB9254(RSP-320 only)		
Connection	Input	9P / 9.5mm pitch terminal block	3P / 9.5mm pitch terminal block
	Output		6P / 11mm pitch terminal block
			3P / 10mm pitch terminal block with cover
Dimension (LxWxH) (mm)	215x115x30	230x127x40.5	250x127x41
Case No.	207A	226A	212A

320W RSP-320

Model No.	Output	Tol.	R&N	Effi.
RSP-320-2.5	2.5V, 0~60A	±2%	100mV	75.5%
RSP-320-3.3	3.3V, 0~60A	±2%	100mV	79.5%
RSP-320-4	4V, 0~60A	±2%	100mV	81.0%
RSP-320-5	5V, 0~60A	±2%	150mV	83.0%
*RSP-320-5CC	5V, 0~60A	±2%	150mV	83.0%
RSP-320-7.5	7.5V, 0~40A	±2%	150mV	88.0%
RSP-320-12	12V, 0~26.7A	±1%	150mV	88.0%
RSP-320-13.5	13.5V, 0~23.8A	±1%	150mV	88.0%
RSP-320-15	15V, 0~21.4A	±1%	150mV	88.5%
RSP-320-24	24V, 0~13.4A	±1%	150mV	89.0%
RSP-320-27	27V, 0~11.9A	±1%	200mV	89.0%
RSP-320-36	36V, 0~8.9A	±1%	220mV	89.5%
RSP-320-48	48V, 0~6.7A	±1%	240mV	90.0%

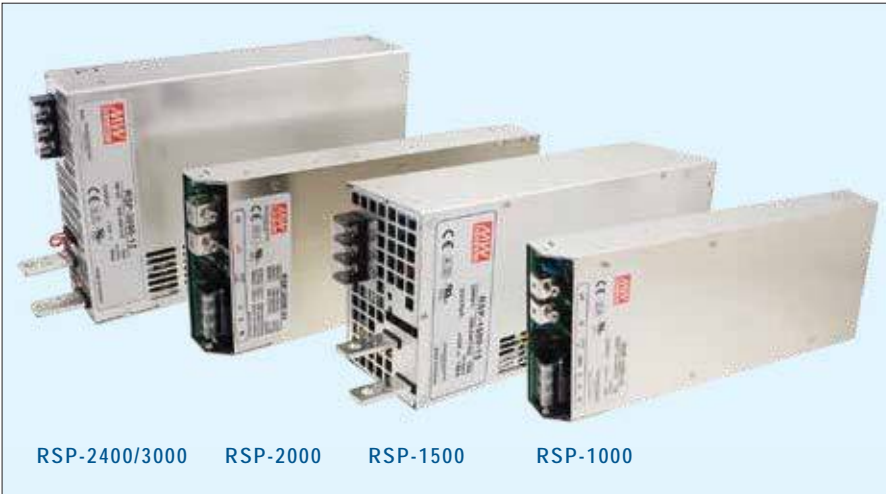
* RSP-320-5CC with conformal coating is suitable for LED moving sign applications, MOQ required.

500W RSP-500

Model No.	Output	Tol.	R&N	Effi.
RSP-500-3.3	3.3V, 0~90A	±2%	120mV	81.0%
RSP-500-4	4V, 0~90A	±2%	120mV	83.0%
RSP-500-5	5V, 0~90A	±2%	150mV	83.0%
RSP-500-12	12V, 0~41.7A	±1%	150mV	89.0%
RSP-500-15	15V, 0~33.4A	±1%	150mV	88.0%
RSP-500-24	24V, 0~21A	±1%	150mV	89.0%
RSP-500-27	27V, 0~18.6A	±1%	200mV	89.5%
RSP-500-48	48V, 0~10.5A	±1%	240mV	90.5%

750W RSP-750

Model No.	Output	Tol.	R&N	Effi.
RSP-750-5	5V, 0~100A	±2%	150mV	82.0%
RSP-750-12	12V, 0~62.5A	±1%	150mV	87.0%
RSP-750-15	15V, 0~50A	±1%	150mV	89.0%
RSP-750-24	24V, 0~31.3A	±1%	150mV	90.5%
RSP-750-27	27V, 0~27.8A	±1%	150mV	90.5%
RSP-750-48	48V, 0~15.7A	±1%	150mV	92.0%



Features

- Universal AC input / Full range (RSP-1000/1500/2000)
AC input 180~264VAC only (RSP-2400/3000)
- Built-in active PFC function
- Protections:
Short circuit / Overload / Over voltage /
Over temperature / Fan alarm (RSP-2400/3000)
- Forced air cooling by built-in DC fan
- High power density up to 21.4W/in³ (RSP-2000)
- Vo can be trimmed by external resistor or external control signal
- Built-in current sharing
- Built-in remote sense and ON/OFF control
- Built-in auxiliary power
- DC OK signal (RSP-1000/2000)
- Alarm signal output (RSP-1500/2000/2400/3000)
- 5 years warranty

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



Model No.	RSP-1000	RSP-1500	RSP-2000	RSP-2400	RSP-3000
AC input voltage range	90~264VAC; 127~370VDC			180~264VAC; 254~370VDC	
AC inrush current (max.)	Cold start, 40A at 230VAC	Cold start, 60A at 230VAC	Cold start, 50A at 230VAC	Cold start, 60A at 230VAC	
DC adjustment range	±10% rated output voltage	-30%~+10% rated output voltage	±10% rated output voltage		
Overload protection	Range	105%~125%	105%~135%	105%~125%	100%~112%
	Type	Constant current limiting, auto-recovery	Constant current limiting, shut off after 5 sec., re-power on to recover		Constant current limiting, shut off after 5 sec., re-power on to recover (can adjust to continuous constant current limiting)
Over voltage protection	Range	115%~135%	115%~140%	120%~145%	115%~140%
	Type	Shut down O/P voltage, re-power on to recover			
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC				
Working temperature	-20~+60°C	-20~+70°C	-35~+70°C	-20~+70°C	
Safety standards	UL60950-1, TUV EN60950-1 approved				
EMC standards	EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61000-6-2(RSP-1000/2000)				
Connection	Input	3P/10mm pitch terminal block with cover	3P/13mm pitch terminal block with cover	3P/10mm pitch terminal block with cover	3P/13mm pitch terminal block with cover
	Output	Copper pillars			
Dimension (LxWxH) (mm)	295x127x41	278x127x83.5	295x127x41	278x177.8x63.5	
Case No.	952B	943A	952D	982B	
Packing	1.95kg; 6pcs / 12.7kg / 1.15CUFT	3.0kg; 4pcs / 13kg / 1.19CUFT	1.95kg; 6pcs / 12.7kg / 1.15CUFT	3.3kg; 4pcs / 14.2kg / 1.89CUFT	4kg; 4pcs / 16kg / 1.89CUFT

1000W RSP-1000

Model No.	Output	Tol.	R&N	Effi.
RSP-1000-12	12V, 0~60A	±1%	150mV	83%
RSP-1000-15	15V, 0~50A	±1%	150mV	85%
RSP-1000-24	24V, 0~40A	±1%	150mV	88%
RSP-1000-27	27V, 0~37A	±1%	150mV	88%
RSP-1000-48	48V, 0~21A	±1%	150mV	90%

1500W RSP-1500

Model No.	Output	Tol.	R&N	Effi.
RSP-1500-5	5V, 0~240A	±2%	150mV	80%
RSP-1500-12	12V, 0~125A	±1%	150mV	87%
RSP-1500-15	15V, 0~100A	±1%	150mV	87%
RSP-1500-24	24V, 0~63A	±1%	150mV	90%
RSP-1500-27	27V, 0~56A	±1%	150mV	90%
RSP-1500-48	48V, 0~32A	±1%	200mV	91%

2000W RSP-2000

Model No.	Output	Tol.	R&N	Effi.
RSP-2000-12	12V, 0~100A	±2%	150mV	87.0%
RSP-2000-24	24V, 0~80A	±1%	200mV	90.5%
RSP-2000-48	48V, 0~42A	±1%	300mV	92.0%

2400W RSP-2400

Model No.	Output	Tol.	R&N	Effi.
RSP-2400-12	12V, 0~166.7A	±1%	150mV	87.0%
RSP-2400-24	24V, 0~100A	±1%	150mV	90.0%
RSP-2400-48	48V, 0~50A	±1%	200mV	91.0%

3000W RSP-3000

Model No.	Output	Tol.	R&N	Effi.
RSP-3000-12	12V, 0~200A	±1%	150mV	86.0%
RSP-3000-24	24V, 0~125A	±1%	150mV	89.5%
RSP-3000-48	48V, 0~62.5A	±1%	200mV	90.5%

5000W Single Output

- 3 ϕ 3-wire/ Δ 196~305VAC or 3 ϕ 4-wire/ Y 340~530VAC wide input range
- Built-in active PFC function
- High efficiency up to 91%
- Protections: Short circuit / Overload / Over voltage / Over temp. / Fan alarm
- Built-in fan speed control
- Vo can be trimmed 20~110% by 1~5.5VDC external control signal
- Io can be trimmed 20~100% by 1~5VDC external control signal
- Current sharing up to 3 units
- Built-in remote sense and ON/OFF control
- Built-in 12V/0.1A auxiliary power
- Alarm signal output
- 5 years warranty



AC input voltage range 3 ϕ 3-wire/ Δ 196~305VAC or 3 ϕ 4-wire/ Y 340~530VAC

DC adjustment range -2%~+20% rated output voltage

AC inrush current Cold start, 50A at 230VAC/ Δ or 400VAC/Y

Overload protection 100%~112% constant current limiting, auto-recovery (can adjust to delay shut down)

Over voltage protection 125%~140% shut down O/P voltage, re-power on to recover

Setup, rise, hold up time 2200ms, 80ms, 16ms at full load

Withstand voltage I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC

Working temperature -30~+70°C (refer to output derating curve)

Safety standards UL60950-1, TUV EN60950-1 approved

EMC standards EN55022 class A, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61000-6-2

Model No.	Output	Tol.	R&N	Effi.
RST-5000-24	24V, 0~200A	$\pm 1\%$	150mV	89%
RST-5000-48	48V, 0~105A	$\pm 1\%$	200mV	91%

150~1500W Output Voltage Programmable

- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Vo can be trimmed 20~110% by 1~5.5VDC external control signal
- Forced air cooling by built-in fan (except for SPV-150)
- Cooling by free air convection (SPV-150)
- Built-in remote sense and ON/OFF control (SPV-1500)
- Built-in 12V/0.1A auxiliary power and current sharing up to 4500W (SPV-1500)
- 3 years warranty



AC input voltage range 88~264VAC (SPV-150/300); 90~264VAC (SPV-1500)

DC adjustment range -15%~+10% (SPV-150/300); $\pm 5\%$ (SPV-1500) rated output voltage

AC inrush current Cold start, 40A (SPV-150/300); 60A (SPV-1500) at 230VAC

Overload protection 105%~150% (SPV-150); 105%~135% (SPV-300/1500) constant current limiting, auto-recovery

Over voltage protection 115%~140%(SPV-150/300); 120%~140%(SPV-1500) shut down O/P voltage, re-power on to recover

Withstand voltage I/P - O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC

Working temperature -20~+65°C (SPV-150/300); -20~+70°C (SPV-1500)

Safety standards UL60950-1, TUV EN60950-1 approved

EMC standards EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11

Packing 12pcs / 14kg(SPV-150/300); 4pcs / 13kg(SPV-1500)

✦ SPV-150 Series

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

✦ SPV-300 Series

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

✦ SPV-1500 Series

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



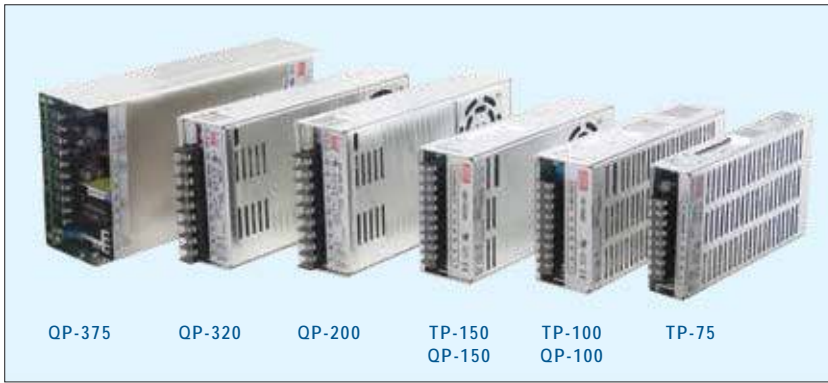
Customer Satisfaction —

Today's effort, tomorrow's reward. Continuously improve CQTS to satisfy customer is our goal.



Best products also need best service.

We have authorized distributors all over the world. They have sufficient stock for your prompt delivery. Also they can offer you technical support & RMA services. Please contact your local distributors for more product information. You can also contact us at info@meanwell.com for information of your local distributors.



Features

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Over temperature protection (200~375W built-in, option for 100W and 150W)
- Built-in active PFC function
- Cooling by free air convection (75W / 100W)
- Forced air cooling by built-in DC fan (150W / 200W / 320W / 375W)
- 100% full load burn-in test
- 3 years warranty



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

Model No.	TP-75	TP-100 QP-100	TP-150 QP-150	QP-200	QP-320	QP-375
AC input voltage range	90~264VAC; 127~370VDC					85~264VAC; 120~370VDC
AC inrush current (max.)	Cold start, 20A at 230VAC	Cold start, 40A at 230VAC		Cold start, 30A at 230VAC	Cold start, 45A at 230VAC	
DC adjustment range	CH1: -5%~+10% rated output voltage	CH1: -5%~+10% rated output voltage (CH1&2 for QP-100/150-3x, QP-100/150-D/F)		CH1&2: -5%~+10% rated output voltage		All outputs: -5%~+10% for QP-375-5, ±10% for QP-375-24
Overload protection	Range	105%~150%				105%~135%
	Type	Hiccup mode, auto-recovery		Constant current limiting, auto-recovery	Fold back current limiting, auto-recovery	Hiccup mode, auto-recovery
Over voltage protection	CH1: 115%~135%	115%~135% for CH1 or CH1&2				CH1: 115%~135% rated output voltage
Withstand voltage	I/P - O/P: 3kVAC, I/P - FG: 1.5kVAC, 1 minute					
Working temperature	-10~+60°C (refer to output derating curve)				-10~+70°C	-10~+60°C
Setup, rise, hold up time	800ms, 60ms, 36ms at full load and 230VAC	800ms, 60ms, 24ms at full load and 230VAC (TP-100/150); 800ms, 50ms, 24ms at full load and 230VAC (QP-100/150)		800ms, 50ms, 24ms at full load and 230VAC	800ms, 50ms, 16ms at full load and 230VAC	800ms, 50ms, 36ms at full load and 230VAC
Safety standards	UL60950-1, TUV EN60950-1 approved					
EMC standards	EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11					
Connection	8P/7.62mm pitch terminal block	9P/7.62mm pitch terminal block with cover		9P/9.5mm pitch terminal block with cover		3P / 9.5mm pitch terminal block for input; 10P / 9.5mm pitch terminal block for output
Dimension (LxWxH)(mm)	179x 99x 33	199x 99x 50		215x 115x 50		280x 127x 63.5
Case No.	920A	916A	916B	912B	912I	927A

75W — Triple Output

Model No.	Output	Tol.	R&N	Effi.	Max.
TP-75A	5V, 1.5~10A	±3%	100mV	70%	74W
	12V, 0.2~4.0A	±4%	120mV		
TP-75B	-5V, 0.0~0.6A	±8%	100mV	70%	76W
	5V, 1.5~10A	±3%	100mV		
TP-75C	12V, 0.2~4.0A	±4%	120mV	70%	75W
	-12V, 0.0~0.6A	±8%	120mV		
TP-75D	5V, 1.5~10A	±3%	100mV	70%	76W
	15V, 0.2~3.0A	±4%	120mV		
TP-7503	-15V, 0.0~0.6A	±8%	120mV		
	5V, 1.5~10A	±3%	100mV	70%	75W
	12V, 0.0~0.6A	±8%	120mV		

100W — Triple Output

Model No.	Output	Tol.	R&N	Effi.	Max.
TP-100A	5V, 3.0~15A	±3%	100mV	75%	101W
	12V, 0.4~5.0A	±7%	120mV		
	-5V, 0.0~1.0A	±6%	100mV		

Model No.	Output	Tol.	R&N	Effi.	Max.
TP-100B	5V, 3.0~15A	±3%	100mV	78%	105W
	12V, 0.4~5.0A	±6%	120mV		
	-12V, 0.0~1.0A	±6%	100mV		
TP-100C	5V, 3.0~15A	±3%	100mV	77%	104W
	15V, 0.4~4.0A	+10%, -6%	150mV		
TP-100D	-15V, 0.0~1.0A	±6%	100mV	78%	105W
	5V, 3.0~15A	±3%	100mV		
	24V, 0.4~3.0A	±8%	150mV		

150W — Triple Output

Model No.	Output	Tol.	R&N	Effi.	Max.
TP-150A	5V, 2.0~20A	±3%	100mV	75%	150W
	12V, 0.4~7.0A	±8%	120mV		
	-5V, 0.0~1.0A	±6%	100mV		
TP-150B	5V, 2.0~20A	±3%	100mV	77%	148W
	12V, 0.4~7.0A	±8%	120mV		
	-12V, 0.0~1.0A	±6%	100mV		
TP-150C	5V, 2.0~20A	±3%	100mV	77%	152W
	15V, 0.4~6.0A	+10%, -6%	150mV		
	-15V, 0.0~1.0A	±6%	100mV		
TP-150D	5V, 2.0~20A	±3%	100mV	78%	154W
	24V, 0.4~4.0A	±8%	150mV		
	12V, 0.0~1.0A	±6%	100mV		

100W — Quad Output

Model No.	Output	Tol.	R&N	Effi.	Max.
QP-100B	5V, 2.0-10A	±3%	100mV	76%	101W
	12V, 0.3-4.0A	±6%	150mV		
	-12V, 0.15-1.0A	+10%,-6%	150mV		
QP-100C	-5V, 0.0-1.0A	±5%	100mV	77%	101W
	5V, 2.0-10A	±3%	100mV		
	15V, 0.3-3.0A	+6%,-10%	150mV		
QP-100D	-15V, 0.15-1.0A	±8%	150mV	78%	100W
	-5V, 0.0-1.0A	±5%	100mV		
	5V, 2.0-10A	±3%	120mV		
QP-100F	12V, 0.0-3.0A	±3%	150mV	78%	103W
	24V, 0.3-2.0A	±6%	200mV		
	-12V, 0.0-1.0A	±5%	150mV		
QP-100-3A	5V, 2.0-10A	±3%	120mV	74%	99W
	15V, 0.0-3.0A	±3%	180mV		
	24V, 0.3-2.0A	±6%	200mV		
QP-100-3B	-15V, 0.0-1.0A	±5%	150mV	74%	100W
	5V, 2.0-10A	±3%	100mV		
	3.3V, 0.0-10A	±3%	100mV		
QP-100-3C	12V, 0.3-3.0A	±6%	150mV	75%	101W
	-5V, 0.0-1.0A	±5%	150mV		
	5V, 2.0-10A	±3%	100mV		
QP-100-3D	-12V, 0.0-1.0A	±5%	150mV	75%	105W
	3.3V, 0.0-10A	±3%	100mV		
	15V, 0.3-2.0A	+8%,-6%	150mV		
QP-100-3E	-15V, 0.0-1.0A	±5%	150mV	75%	105W
	3.3V, 0.0-10A	±3%	100mV		
	24V, 0.3-2.0A	±6%	150mV		
QP-100-3F	-12V, 0.0-1.0A	±5%	150mV	75%	105W
	3.3V, 0.0-10A	±3%	100mV		
	15V, 0.3-2.0A	+8%,-6%	150mV		

150W — Quad Output

Model No.	Output	Tol.	R&N	Effi.	Max.
QP-150B	5V, 3.0-15A	±3%	100mV	76%	150W
	12V, 0.4-5.0A	±6%	150mV		
	-12V, 0.3-2.0A	+10%,-6%	150mV		
QP-150C	-5V, 0.0-1.0A	±5%	100mV	77%	153W
	5V, 3.0-15A	±3%	100mV		
	15V, 0.4-4.0A	+6%,-10%	150mV		
QP-150D	-15V, 0.3-2.0A	±8%	150mV	78%	150W
	-5V, 0.0-1.0A	±5%	100mV		
	5V, 3.0-15A	±3%	120mV		
QP-150F	12V, 0.0-5.0A	±3%	150mV	78%	152W
	24V, 0.4-3.0A	±6%	200mV		
	-12V, 0.0-1.0A	±5%	150mV		
QP-150-3A	5V, 3.0-15A	±3%	100mV	73%	146W
	3.3V, 0.0-15A	±3%	100mV		
	12V, 0.4-5.0A	±6%	150mV		
QP-150-3B	-5V, 0.0-1.0A	±5%	150mV	75%	150W
	5V, 3.0-15A	±3%	100mV		
	3.3V, 0.0-15A	±3%	100mV		
QP-150-3C	12V, 0.4-5.0A	±6%	150mV	74%	152W
	-12V, 0.0-1.0A	±5%	150mV		
	5V, 3.0-15A	±3%	100mV		
QP-150-3D	3.3V, 0.0-15A	±3%	100mV	76%	150W
	15V, 0.4-5.0A	+8%,-6%	150mV		
	-15V, 0.0-1.0A	±5%	150mV		
QP-150-3E	5V, 3.0-15A	±3%	100mV	76%	150W
	3.3V, 0.0-15A	±3%	100mV		
	24V, 0.3-3.0A	±6%	150mV		
QP-150-3F	-12V, 0.0-1.0A	±5%	150mV	76%	150W
	3.3V, 0.0-15A	±3%	100mV		
	15V, 0.4-5.0A	+8%,-6%	150mV		

200W — Quad Output

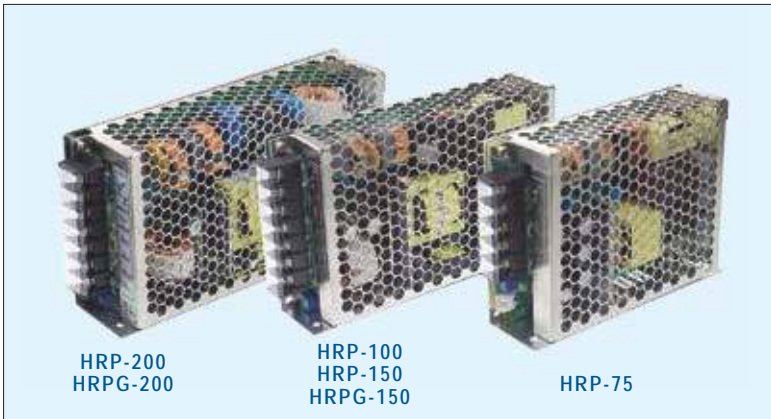
Model No.	Output	Tol.	R&N	Effi.	Max.
QP-200D	5V, 3.0-20A	±3%	100mV	75%	203W
	12V, 0.0-7.0A	±3%	150mV		
	24V, 0.4-6.0A	+10%,-6%	150mV		
QP-200F	-12V, 0.0-1.0A	±6%	150mV	75%	203W
	5V, 3.0-20A	±3%	100mV		
	15V, 0.0-6.0A	±3%	150mV		
QP-200-3A	24V, 0.4-6.0A	+10%,-6%	150mV	72%	200W
	-15V, 0.0-1.0A	±6%	150mV		
	5V, 3.0-20A	±3%	100mV		
QP-200-3B	3.3V, 0.0-20A	±3%	100mV	72%	205W
	12V, 0.5-8.0A	+8%,-10%	150mV		
	-5V, 0.0-1.0A	±6%	150mV		
QP-200-3C	5V, 3.0-20A	±3%	100mV	72%	210W
	3.3V, 0.0-20A	±3%	100mV		
	12V, 0.5-8.0A	+8%,-10%	150mV		
QP-200-3D	-12V, 0.0-1.0A	±6%	150mV	74%	204W
	5V, 3.0-20A	±3%	100mV		
	3.3V, 0.0-20A	±3%	100mV		
QP-200-3E	15V, 0.5-7.0A	+10%,-6%	150mV	74%	206W
	-15V, 0.0-1.0A	±6%	150mV		
	5V, 3.0-20A	±3%	100mV		
QP-200-3F	3.3V, 0.0-20A	±3%	100mV	74%	206W
	24V, 0.4-6.0A	+10%,-6%	150mV		
	-15V, 0.0-1.0A	±6%	150mV		

320W — Quad Output

Model No.	Output	Tol.	R&N	Effi.	Max.
QP-320D	5V, 2.5-20A	±3%	100mV	83%	316W
	12V, 0.0-10A	±3%	150mV		
	24V, 0.2-5.0A	+10%,-6%	150mV		
QP-320F	-12V, 0.2-2.0A	±10%	150mV	83%	316W
	5V, 2.5-20A	±3%	100mV		
	15V, 0.0-10A	±3%	150mV		
QP-320E	24V, 0.2-5.0A	+10%,-6%	150mV	83%	316W
	-15V, 0.2-1.6A	±10%	150mV		
	5V, 2.5-20A	±3%	100mV		

375W — Quad Output

Model No.	Output	Tol.	R&N	Effi.	Max.
QP-375-5A	5V, 3.5-40A	±1%	100mV	77%	378W
	12V, 0.0-16A	±1%	150mV		
	±12V, 0.0-6.0A	±1%	150mV		
QP-375-5B	±12V, 0.0-3.0A	±1%	50mV	77%	357W
	5V, 3.5-40A	±1%	100mV		
	12V, 0.0-16A	±1%	120mV		
QP-375-5C	±12V, 0.0-6.0A	±1%	120mV	77%	378W
	±5V, 0.0-3.0A	±1%	50mV		
	5V, 3.5-40A	±1%	100mV		
QP-375-5D	12V, 0.0-16A	±1%	150mV	78%	378W
	±15V, 0.0-4.0A	±1%	150mV		
	±15V, 0.0-4.0A	±1%	240mV		
QP-375-5E	5V, 3.5-40A	±1%	100mV	78%	378W
	12V, 0.0-16A	±1%	120mV		
	±24V, 0.0-4.0A	±1%	120mV		
QP-375-24B	±24V, 0.0-3.0A	±1%	240mV	78%	386W
	24V, 1.0-10A	±1%	240mV		
	5V, 0.0-16A	±1%	50mV		
QP-375-24C	±12V, 0.0-4.0A	±1%	120mV	80%	410W
	±12V, 0.0-4.0A	±1%	120mV		
	24V, 1.0-10A	±1%	240mV		
QP-375-24D	5V, 0.0-10A	±1%	50mV	80%	410W
	±15V, 0.0-4.0A	±1%	150mV		
	±15V, 0.0-4.0A	±1%	150mV		



■ Features

- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Built-in active PFC function
- Protections:
 - Short circuit / Overload / Over voltage /
 - Over temperature (optional for HRP-75 / HRP-100)
- Built-in constant current limiting circuit
- Built-in remote sense function (HRP□-150 / 200)
- No load power consumption < 0.5W (except for HRP-150/200)
- Built-in remote ON/OFF control (except for HRP-150 / 200)
- Built-in 5V / 0.3A standby output (HRPG-150 / 200)
- Cooling by free air convection
- 1U low profile
- LED indicator for power on
- 100% full load burn-in test
- 5 years warranty

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



Model No.	HRP-75	HRP-100	HRP□-150	HRP□-200
AC input voltage range	85~264VAC; 120~370VDC			
AC inrush current (max.)	Cold start, 65A at 230VAC		Cold start; 70A at 230VAC	
DC adjustment range	-5%~+10% rated output voltage		±15% rated output voltage	
Overload protection	Range	105%~135%		
	Type	Constant current limiting, auto-recovery		
Over voltage protection	115%~145%			
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG: 1.5kVAC, O/P-FG: 0.5kVAC, 1 minute			
Working temperature	-40~+70°C (refer to output derating curve)	-40~+60°C	-40~+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, EN61000-6-2 heavy industry level			
Connection	5P/9.5mm pitch terminal block with cover		7P/9.5mm pitch terminal block with cover	
Dimension (LxWxH)(mm)	129x98x38	159x97x38	199x 98x 38	
Case No.	903D	9011	902E	

■ 75W HRP-75

Model No.	Output	Tol.	R&N	Effi.
HRP-75-3.3	3.3V, 0~15A	±2.5%	80mV	77.0%
HRP-75-5	5V, 0~15A	±2.5%	80mV	82.5%
HRP-75-7.5	7.5V, 0~10A	±2.5%	100mV	84.0%
HRP-75-12	12V, 0~6.3A	±1.5%	120mV	87.0%
HRP-75-15	15V, 0~5A	±1.5%	150mV	88.0%
HRP-75-24	24V, 0~3.2A	±1.5%	150mV	88.5%
HRP-75-36	36V, 0~2.1A	±1.5%	200mV	89.0%
HRP-75-48	48V, 0~1.6A	±1.5%	240mV	89.0%

■ 150W HRP□-150

Model No.	Output	Tol.	R&N	Effi.
HRP□-150-3.3	3.3V, 0~30A	±2.5%	80mV	78.5%
HRP□-150-5	5V, 0~26A	±2.5%	80mV	85.0%
HRP□-150-7.5	7.5V, 0~20A	±2.5%	100mV	87.0%
HRP□-150-12	12V, 0~13A	±1.5%	120mV	88.0%
HRP□-150-15	15V, 0~10A	±1.5%	150mV	88.0%
HRP□-150-24	24V, 0~6.5A	±1.5%	150mV	88.0%
HRP□-150-36	36V, 0~4.3A	±1.5%	200mV	89.0%
HRP□-150-48	48V, 0~3.3A	±1.5%	240mV	89.0%

□=blank, G; blank: basic function, G: with 5Vsb & no load <0.5W

■ 100W HRP-100

Model No.	Output	Tol.	R&N	Effi.
HRP-100-3.3	3.3V, 0~20A	+2.5%, -3.5%	80mV	78.0%
HRP-100-5	5V, 0~17A	±2.5%	80mV	83.0%
HRP-100-7.5	7.5V, 0~13.5A	±2.5%	100mV	84.0%
HRP-100-12	12V, 0~8.5A	±1.5%	120mV	87.5%
HRP-100-15	15V, 0~7A	±1.5%	150mV	88.0%
HRP-100-24	24V, 0~4.5A	±1.5%	150mV	88.5%
HRP-100-36	36V, 0~2.9A	±1.5%	200mV	89.0%
HRP-100-48	48V, 0~2.2A	±1.5%	240mV	90.0%

■ 200W HRP□-200

Model No.	Output	Tol.	R&N	Effi.
HRP□-200-3.3	3.3V, 0~40A	±2%	80mV	80.0%
HRP□-200-5	5V, 0~35A	±2%	90mV	84.0%
HRP□-200-7.5	7.5V, 0~26.7A	±2%	100mV	86.0%
HRP□-200-12	12V, 0~16.7A	±1%	120mV	88.0%
HRP□-200-15	15V, 0~13.4A	±1%	150mV	88.0%
HRP□-200-24	24V, 0~8.4A	±1%	150mV	88.0%
HRP□-200-36	36V, 0~5.7A	±1%	250mV	89.0%
HRP□-200-48	48V, 0~4.3A	±1%	250mV	89.0%

□=blank, G; blank: basic function, G: with 5Vsb & no load <0.5W



Features

- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built-in constant current limiting circuit
- Built-in remote sense function
- Built-in DC OK signal
- No load power consumption < 0.5W (HRPG-300 / 450)
- No load power consumption < 0.75W (HRPG-600)
- Built-in remote ON/OFF control & 5V / 0.3A standby output (HRPG series)
- **Built-in current sharing (HRPG-600-24 / 36 / 48)**
- Forced air cooling by built-in DC fan
- 1U low profile (HRP□-300 / 450)
- 100% full load burn-in test
- 5 years warranty

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



Model No.	HRP□-300	HRP□-450	HRP□-600
AC input voltage range	85~264VAC; 120~370VDC		
AC inrush current (max.)	Cold start, 70A at 230VAC		
DC adjustment range	±15% rated output voltage		
Overload Protection	Range	105%~135%	
	Type	Constant current limiting, auto-recovery	
Over voltage protection	115%~145%		
Withstand voltage	I/P - O/P: 3kVAC, I/P - FG: 1.5kVAC, O/P - FG: 0.5kVAC, 1 minute		
Working temperature	-40~+70°C (refer to output derating curve)		
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, EN61000-6-2 heavy industry level		
Connection	7P/11mm pitch terminal block with cover	3+6P/10&11mm pitch terminal block with cover	
Dimension (LxWxH)(mm)	199x105x41	218x105x41	218x105x63.5
Case No.	980A	995A	977A

300W HRP□-300

Model No.	Output	Tol.	R&N	Effi.
HRP□-300-3.3	3.3V, 0~60A	±2.5%	80mV	80.0%
HRP□-300-5	5V, 0~60A	±2.0%	90mV	82.0%
HRP□-300-7.5	7.5V, 0~40A	±2.0%	100mV	86.0%
HRP□-300-12	12V, 0~27A	±1.0%	120mV	88.0%
HRP□-300-15	15V, 0~22A	±1.0%	150mV	88.0%
HRP□-300-24	24V, 0~14A	±1.0%	150mV	87.0%
HRP□-300-36	36V, 0~9A	±1.0%	250mV	88.0%
HRP□-300-48	48V, 0~7A	±1.0%	250mV	89.0%

□ = blank, G; blank: basic function, G: with 5Vsb & no load < 0.5W

600W HRP□-600

Model No.	Output	Tol.	R&N	Effi.
HRP□-600-3.3	3.3V, 0~120A	±2%	100mV	78.5%
HRP□-600-5	5V, 0~120A	±2%	100mV	82.0%
HRP□-600-7.5	7.5V, 0~80A	±2%	100mV	87.0%
HRP□-600-12	12V, 0~53A	±1%	120mV	88.0%
HRP□-600-15	15V, 0~43A	±1%	150mV	88.0%
HRP□-600-24	24V, 0~27A	±1%	150mV	88.0%
HRP□-600-36	36V, 0~17.5A	±1%	200mV	89.0%
HRP□-600-48	48V, 0~13A	±1%	240mV	89.0%

□ = blank, G; blank: basic function, G: with 5Vsb & no load < 0.75W

450W HRP□-450

Model No.	Output	Tol.	R&N	Effi.
HRP□-450-3.3	3.3V, 0~90A	±2%	80mV	80.0%
HRP□-450-5	5V, 0~90A	±2%	80mV	83.0%
HRP□-450-7.5	7.5V, 0~60A	±2%	100mV	86.5%
HRP□-450-12	12V, 0~37.5A	±1%	120mV	88.0%
HRP□-450-15	15V, 0~30A	±1%	150mV	89.0%
HRP□-450-24	24V, 0~18.8A	±1%	150mV	88.0%
HRP□-450-36	36V, 0~12.5A	±1%	240mV	89.0%
HRP□-450-48	48V, 0~9.5A	±1%	240mV	89.5%

□ = blank, G; blank: basic function, G: with 5Vsb & no load < 0.5W



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Features

- Universal AC input / Full range
- Medical safety approved (MOOP level)
- Low leakage current $\leq 300\mu\text{A}$ ($\leq 450\mu\text{A}$ for MSP-300)
- Withstand 300VAC surge input for 5 seconds
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temperature
- 1U low profile (MSP-100/200/300/450)
- Built-in constant current limiting circuit
- Built-in remote sense function (MSP-200/300/450/600)
- No load power consumption $< 0.5\text{W}$ ($< 0.6\text{W}$ for MSP-450 ; $< 0.8\text{W}$ for MSP-600)
- **Built-in current sharing (MSP-600-24/36/48)**
- Built-in remote ON/OFF control
- Built-in 5V/0.3A standby output (MSP-200/300/450/600)
- Built-in DC OK signal (MSP-300/450/600)
- LED indicator for power on
- 5 years warranty

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



Model No.	MSP-100	MSP-200	MSP-300	MSP-450	MSP-600
AC input voltage range	85~264VAC; 120~370VDC				
AC inrush current (max.)	Cold start, 65A at 230VAC		Cold start, 70A at 230VAC		Cold start, 80A at 230VAC
DC adjustment range	$\pm 15\%$ rated output voltage				
Overload protection	Range: 105%~135%; Type: Constant current limiting, auto-recovery				
Over voltage protection	115%~145%				
Withstand voltage	I/P-O/P: 4kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC, 1 minute				
Working temperature	-40~+60°C		-40~+70°C (refer to output derating curve)		
Safety standards	ANSI/AAMI ES60601-1, IEC60601-1 approved				
EMC standards	EN55011 class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, EN60601-1-2				
Connection	7P / 9.5mm pitch terminal block with cover		7P / 11mm pitch terminal block with cover	3+6P / 10 & 11mm pitch terminal block with cover	
Dimension (LxWxH)(mm)	159x 97x 38	199x 98x 38	199x 105x 41	218x 105x 41	218x 105x 63.5
Case No.	901I	902E	980A	995A	977A

100W MSP-100

Model No.	Output	Tol.	R&N	Effi.
MSP-100-3.3	3.3V, 0~20A	+2.5%, -3.5%	80mV	78.0%
MSP-100-5	5V, 0~17A	+2.5%, -3.5%	80mV	83.0%
MSP-100-7.5	7.5V, 0~13.5A	$\pm 2.5\%$	100mV	84.0%
MSP-100-12	12V, 0~8.5A	$\pm 1.5\%$	120mV	87.5%
MSP-100-15	15V, 0~7A	$\pm 1.5\%$	150mV	88.0%
MSP-100-24	24V, 0~4.5A	$\pm 1.5\%$	150mV	88.5%
MSP-100-36	36V, 0~2.9A	$\pm 1.5\%$	200mV	89.0%
MSP-100-48	48V, 0~2.2A	$\pm 1.5\%$	240mV	90.0%

200W MSP-200

Model No.	Output	Tol.	R&N	Effi.
MSP-200-3.3	3.3V, 0~40A	$\pm 2\%$	80mV	80.0%
MSP-200-5	5V, 0~35A	$\pm 2\%$	90mV	84.0%
MSP-200-7.5	7.5V, 0~26.7A	$\pm 2\%$	100mV	86.0%
MSP-200-12	12V, 0~16.7A	$\pm 1\%$	120mV	88.0%
MSP-200-15	15V, 0~13.4A	$\pm 1\%$	150mV	88.0%
MSP-200-24	24V, 0~8.4A	$\pm 1\%$	150mV	88.0%
MSP-200-36	36V, 0~5.7A	$\pm 1\%$	250mV	89.0%
MSP-200-48	48V, 0~4.3A	$\pm 1\%$	250mV	89.0%

300W MSP-300

Model No.	Output	Tol.	R&N	Effi.
MSP-300-3.3	3.3V, 0~60A	$\pm 2.5\%$	80mV	80.0%
MSP-300-5	5V, 0~60A	$\pm 2\%$	90mV	82.0%
MSP-300-7.5	7.5V, 0~40A	$\pm 2\%$	100mV	86.0%
MSP-300-12	12V, 0~27A	$\pm 1\%$	120mV	88.0%

Model No.	Output	Tol.	R&N	Effi.
MSP-300-15	15V, 0~22A	$\pm 1\%$	150mV	88.0%
MSP-300-24	24V, 0~14A	$\pm 1\%$	150mV	87.0%
MSP-300-36	36V, 0~9A	$\pm 1\%$	250mV	88.0%
MSP-300-48	48V, 0~7A	$\pm 1\%$	250mV	89.0%

450W **NEW** MSP-450

Model No.	Output	Tol.	R&N	Effi.
MSP-450-3.3	3.3V, 0~90A	$\pm 2\%$	80mV	80.0%
MSP-450-5	5V, 0~90A	$\pm 2\%$	80mV	83.0%
MSP-450-7.5	7.5V, 0~60A	$\pm 2\%$	100mV	86.5%
MSP-450-12	12V, 0~37.5A	$\pm 1\%$	120mV	88.0%
MSP-450-15	15V, 0~30A	$\pm 1\%$	150mV	89.0%
MSP-450-24	24V, 0~18.8A	$\pm 1\%$	150mV	88.0%
MSP-450-36	36V, 0~12.5A	$\pm 1\%$	240mV	89.0%
MSP-450-48	48V, 0~9.5A	$\pm 1\%$	240mV	89.5%

600W **NEW** MSP-600

Model No.	Output	Tol.	R&N	Effi.
MSP-600-3.3	3.3V, 0~120A	$\pm 2\%$	100mV	78.5%
MSP-600-5	5V, 0~120A	$\pm 2\%$	100mV	82.0%
MSP-600-7.5	7.5V, 0~80A	$\pm 2\%$	100mV	86.0%
MSP-600-12	12V, 0~53A	$\pm 1\%$	120mV	88.0%
MSP-600-15	15V, 0~43A	$\pm 1\%$	150mV	88.0%
MSP-600-24	24V, 0~27A	$\pm 1\%$	150mV	88.0%
MSP-600-36	36V, 0~17.5A	$\pm 1\%$	200mV	89.0%
MSP-600-48	48V, 0~13A	$\pm 1\%$	240mV	89.0%



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