

### Features

- Universal AC input / Full range
- **Class I or Class II configuration**
- **Medical safety approved (2x MOPP)**
- Suitable for BF application with appropriate system consideration
- Extremely low leakage current
- No load power consumption **<0.1W (<0.3W for RPS-120S)**
- Protections: Short circuit / Overload / Over voltage
- LED indicator for power on
- 3 years warranty

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



Model No.	RPS-30	RPS-45	RPS-65	RPS-120S
Rated Power	NA			
Fan	NA			
Convection	30W	45W	65W	120W
AC input voltage range	80~264VAC			
Leakage current	<90µA	<100µA		<150µA
DC adjustment range	±10% rated output voltage			±5% rated output voltage
Overload protection	115%~150% hiccup mode, auto-recovery			
Over voltage protection	115%~135% shut down o/p voltage, re-power on to recover			110%~130%
Withstand voltage	I/P-O/P: 4kVAC, I/P-FG:2kVAC, O/P-FG: 1.5kVAC			
Working temperature	-30~+70°C			-30~+85°C
Safety standards	ANSI/AAMI ES60601-1, TUV BS EN/EN60601-1, EAC TP TC 004 approved			
EMC standards	BS EN/EN55011 class B, EN61000-3-2,-3, EN61000-4,2,3,4,5,6,8,11, EN60601-1-1-2, EAC TP TC 020			
Connection	JST B3P / B2P-VH	JST B3P / B4P-VH		
Dimension (LxWxH)(mm)	76.2x 50.8x 24			76.2x 50.8x 28

### 30W—Class II RPS-30

Model No.	Output (Rated / Peak)	Tol.	R&N	Effi.
RPS-30-3.3	3.3V, 6A / 6.6A	±2%	80mV	80%
RPS-30-5	5V, 6A / 6.6A	±2%	80mV	82%
RPS-30-7.5	7.5V, 4A / 4.4A	±2%	80mV	84%
RPS-30-12	12V, 2.5A / 2.75A	±2%	100mV	88%
RPS-30-15	15V, 2A / 2.2A	±2%	100mV	89%
RPS-30-24	24V, 1.25A / 1.375A	±1%	150mV	89.5%
RPS-30-48	48V, 0.625A / 0.687A	±1%	150mV	92%

### 65W—Class II RPS-65

Model No.	Output (Rated / Peak)	Tol.	R&N	Effi.
RPS-65-3.3	3.3V, 10A / 11A	±2%	80mV	80%
RPS-65-5	5V, 10A / 11A	±2%	80mV	84%
RPS-65-7.5	7.5V, 8A / 8.8A	±2%	80mV	85%
RPS-65-12	12V, 5.42A / 5.96A	±2%	120mV	88%
RPS-65-15	15V, 4.34A / 4.77A	±1%	120mV	89%
RPS-65-24	24V, 2.71A / 2.98A	±1%	120mV	90%
RPS-65-48	48V, 1.36A / 1.49A	±1%	150mV	91%

### 45W—Class II RPS-45

Model No.	Output (Rated / Peak)	Tol.	R&N	Effi.
RPS-45-3.3	3.3V, 8A / 8.8A	±2%	60mV	80.5%
RPS-45-5	5V, 8A / 8.8A	±2%	60mV	83%
RPS-45-7.5	7.5V, 5.4A / 5.95A	±2%	80mV	85%
RPS-45-12	12V, 3.8A / 4.18A	±2%	100mV	88%
RPS-45-15	15V, 3A / 3.3A	±2%	100mV	89%
RPS-45-24	24V, 1.9A / 2.1A	±1%	120mV	90%
RPS-45-48	48V, 0.94A / 1.03A	±1%	120mV	91%

### 120W—Class I or II RPS-120S

Model No.	Output (Rated / Peak)	Tol.	R&N	Effi.
RPS-120S-12	12V, 9.5A / 11.8A	±2%	100mV	91%
RPS-120S-15	15V, 7.6A / 9.5A	±2%	120mV	92%
RPS-120S-24	24V, 5A / 6.25A	±1%	150mV	93%
RPS-120S-27	27V, 4.44A / 5.55A	±1%	150mV	94%
RPS-120S-48	48V, 2.5A / 3.125A	±1%	200mV	93.5%



## Features

- Universal AC input / Full range
- **Class I or Class II configuration**
- **Medical safety approved (2x MOPP)**
- Suitable for BF application with appropriate system consideration
- Extremely low leakage current
- High efficiency up to 95%
- Built-in 12V/0.5A fan supply (RPS-120/200)
- LED indicator for power on (except for RPS/D/T-60)
- No load power consumption <0.3W for 120W model  
<0.5W for 200W model  
<0.75W for 60W model
- Protections: Short circuit / Overload /  
Over voltage / Over temperature
- 3 years warranty

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



Model No.	RPS/D/T-60	RPS-120-x <input type="checkbox"/>	RPS-200-x <input type="checkbox"/>
Rated Power	Fan	NA	120W (10CFM)
	Convection	60W	84W
AC input voltage range	90~264VAC	80~264VAC	
Leakage current	<130µA	<150µA	<130µA
DC adjustment range	-5%~+10%	±5% rated output voltage	
Overload protection	115%~150% hiccup mode, auto-recovery		
Over voltage protection	115%~135%	110%~130% shut down o/p voltage, re-power on to recover	
Withstand voltage	I/P-O/P: 4kVAC, I/P-FG:2kVAC, O/P-FG: 1.5kVAC		
Working temperature	-20~+70°C(RPS), -20~+65°C(RPD/T)	-30~+70°C	
Safety standards	ANSI/AAMI ES60601-1, TUV BS EN/EN60601-1, EAC TP TC 004 approved; UL/EN62368-1 for RPS/D/T-60 only		
EMC standards	BS EN/EN55032 (RPS/D/T-60), EN55011 class B, EN61000-3-2,-3, EN61000-4,2,3,4,5,6,8,11, EN60601-1-1-2, EAC TP TC 020		
Connection	JST B3P / B4P-VH (RPS-60) JST B3P / B6P-VH (RPD/T-60)	JST B3P / B4P-VH	JST B3P / B6P-VH
Dimension (LxWxH)(mm)	101.6x 50.8x 29	PCB: 101.6x 50.8x 29 ; Case: 103.4x 62x 40	

## 60W:Single Output—Class I RPS-60

Model No.	Output (Rated / Peak)	Tol.	R&N	Effi.
RPS-60-3.3	3.3V, 10A / 11A	±2%	60mV	74%
RPS-60-5	5V, 10A / 11A	±2%	60mV	79%
RPS-60-12	12V, 5A / 5.5A	±2%	120mV	84%
RPS-60-15	15V, 4A / 4.4A	±2%	120mV	85%
RPS-60-24	24V, 2.5A / 2.75A	±1%	120mV	87%
RPS-60-48	48V, 1.25A / 1.375A	±1%	120mV	86%

## 60W:Dual Output—Class I RPD-60

Model No.	Output	Tol.	R&N	Effi.	Max.
RPD-60A	5V, 0.5~5.5A 12V, 0.1~2.2A	+3%,-2% ±6%	80mV 80mV	78%	54W
RPD-60B	5V, 0.5~3.85A 24V, 0.1~1.65A	+3%,-2% +8%,-4%	80mV 100mV	82%	59W

## 60W:Triple Output—Class I RPT-60

Model No.	Output	Tol.	R&N	Effi.	Max.
RPT-60A	5V, 0.5~4.4A 12V, 0.1~2.2A	+3%,-2% ±6%	80mV 80mV	77%	51W
RPT-60B	-5V, 0.1~0.55A 5V, 0.5~4.4A 12V, 0.1~2.2A	+9%,-8% +3%,-2% ±6%	80mV 80mV 80mV	78%	55W
RPT-60C	-12V, 0.1~0.55A 5V, 0.5~4.4A 15V, 0.1~0.65A -15V, 0.1~0.55A	+10%,-6% +3%,-2% ±6% ±8%	100mV 80mV 100mV 150mV	79%	55W

Model No.	Output	Tol.	R&N	Effi.	Max.
RPT-60A	5V, 0.5~4.4A	+3%,-2%	80mV	77%	51W
RPT-60D	5V, 0.5~3.85A 24V, 0.1~1.1A	+3%,-2% ±6%	80mV 150mV	79%	52W
RPT-6003	12V, 0.1~0.55A 3.3V, 0.5~5.5A 5V, 0.3~3.3A 12V, 0.1~0.77A	±8% +3%,-2% ±8% +10%,-6%	80mV 80mV 80mV 80mV	75%	44W

## 120W—Class I or II RPS-120

Model No.	Output (Convection/10CFM)	Tol.	R&N	Effi.
RPS-120-12 <input type="checkbox"/>	12V, 7A / 10A	±2%	100mV	89%
RPS-120-15 <input type="checkbox"/>	15V, 5.6A / 8A	±2%	120mV	89%
RPS-120-24 <input type="checkbox"/>	24V, 3.5A / 5A	±1%	150mV	90%
RPS-120-27 <input type="checkbox"/>	27V, 3.15A / 4.5A	±1%	150mV	90%
RPS-120-48 <input type="checkbox"/>	48V, 1.75A / 2.5A	±1%	150mV	91%

= blank, -C ; blank: PCB type, -C: Enclosed type

## 200W—Class I or II RPS-200

Model No.	Output (Convection/10CFM)	Tol.	R&N	Effi.
RPS-200-12 <input type="checkbox"/>	12V, 11.7A / 16.7A	±2%	100mV	93%
RPS-200-15 <input type="checkbox"/>	15V, 9.4A / 13.4A	±2%	100mV	93.5%
RPS-200-24 <input type="checkbox"/>	24V, 5.9A / 8.4A	±1%	120mV	94%
RPS-200-27 <input type="checkbox"/>	27V, 5.3A / 7.5A	±1%	120mV	94%
RPS-200-48 <input type="checkbox"/>	48V, 3A / 4.2A	±1%	120mV	95%

= blank, -C ; blank: PCB type, -C: Enclosed type

# Green Open Frame 75~160W 1~3 Output Medical Grade



RPS/D/T-75  
(5"x3")



RPS/T-160  
(5"x3")



RPT-160-C  
(optional)



## Features

- Universal AC input / Full range
- **Medical safety approved (2xMOPP)**
- Suitable for BF application with appropriate system consideration (RPS/T-160)
- Built-in active PFC function (RPS/T-160)
- Protections: Short circuit / Overload / Over voltage / Over temperature (RPS/T-160)
- Extremely low leakage current
- Built-in P.G and P.F signal output (RPS/T-160)
- Built-in remote sense function (RPS-160 5~15V)
- No load power consumption <0.75W (RPS-75&RPS/T-160 G model)
- Standby 5V@0.8A (RPS/T-160 G model)
- LED indicator for power on
- 3 years warranty

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



Model No.	RPS/D/T-75	RPS□-160	RPT□-160 ○
Rated Power	Fan: 100W (23.5CFM) Convection: 75W	160W (20.5CFM) 110W	RPT(G)-160:145W (20.5CFM), RPT(G)-160-C: 142W (20.5CFM) RPT(G)-160: 99W, RPT(G)-160-C: 94W
AC input voltage range	90~264VAC		
Leakage current	<150μA		<160μA
DC adjustment range	CH1: -5%~+10% rated output voltage	±10%	0~+10%
Overload protection	140%~180% hiccup mode, auto-recovery	105%~135% hiccup mode, auto-recovery	
Over voltage protection	CH1: 110%~135% shut down o/p voltage, re-power on to recover		
Withstand voltage	I/P-O/P: 4kVAC, I/P-FG:2kVAC, O/P-FG: 1.5kVAC		
Working temperature	-20~+70°C (refer to output derating curve)		
Safety standards	ANSI/AAMI ES60601-1, TUV BS EN/EN60601-1, EAC TP TC 004 approved		
EMC standards	BS EN/EN55011 class B, EN61000-3-2,-3; EN60601-1-2, EAC TP TC 020		
Connection	JST B3P / B8P-VH		
Dimension (LxWxH)(mm)	127x 76.2x 31	127x 76.2x 34.6	

## 75W:Single Output—Class I RPS-75

Model No.	Output (Rated / 23.5CFM)	Tol.	R&N	Effi.
RPS-75-3.3	3.3V, 15A / 20A	±2%	60mV	73%
RPS-75-5	5V, 14A / 18.7A	±2%	60mV	78%
RPS-75-12	12V, 6.3A / 8.3A	±1%	100mV	82%
RPS-75-15	15V, 5A / 6.7A	±1%	100mV	83%
RPS-75-24	24V, 3.2A / 4.2A	±1%	150mV	85%
RPS-75-36	36V, 2.1A / 2.8A	±1%	150mV	86%
RPS-75-48	48V, 1.6A / 2.1A	±1%	150mV	86%

## 75W:Dual Output—Class I RPD-75

Model No.	Output	Tol.	R&N	Effi.	Max.
RPD-75A	5V, 1.0~9.5A 12V, 0.3~4.0A	±2% ±6%	80mV 120mV	77%	96W
RPD-75B	5V, 1.0~6.8A 24V, 0.2~2.7A	±2% ±6%	80mV 120mV	79%	99W

## 75W:Triple Output—Class I RPT-75

Model No.	Output	Tol.	R&N	Effi.	Max.
RPT-75A	5V, 0.6~8.0A 12V, 0.2~4.0A	±2% ±6%	80mV 120mV	76%	93W
RPT-75B	-5V, 0.1~1.0A 5V, 0.6~8.0A 12V, 0.2~4.0A	±5% ±2% ±6%	80mV 80mV 120mV	77%	100W
RPT-75C	-12V, 0.1~1.0A 5V, 0.6~8.0A 15V, 0.1~3.0A	±5% ±2% ±8%	80mV 80mV 120mV	77%	100W
RPT-75D	-15V, 0.1~1.0A 5V, 0.6~7.0A 24V, 0.1~2.0A	±5% ±2% ±8%	80mV 80mV 200mV	79%	95W
RPT-7503	12V, 0.1~1.0A 3.3V, 0.7~7.0A 5V, 0.0~8.0A 12V, 0.0~1.5A	±8% ±4% ±6% +10%,-6%	120mV 80mV 120mV 120mV	74%	81W

## 160W:Single Output—Class I RPS-160

Model No.	Output (Convection / 20.5CFM)	Tol.	R&N	Effi.
RPS□-160-5	5V, 20A / 30A	±4%	80mV	86%
RPS□-160-12	12V, 9.1A / 12.9A	±3%	80mV	87%
RPS□-160-15	15V, 7.3A / 10.3A	±3%	120mV	87%
RPS□-160-24	24V, 4.6A / 6.5A	±2%	120mV	87%
RPS□-160-48	48V, 2.3A / 3.25A	±2%	150mV	88%

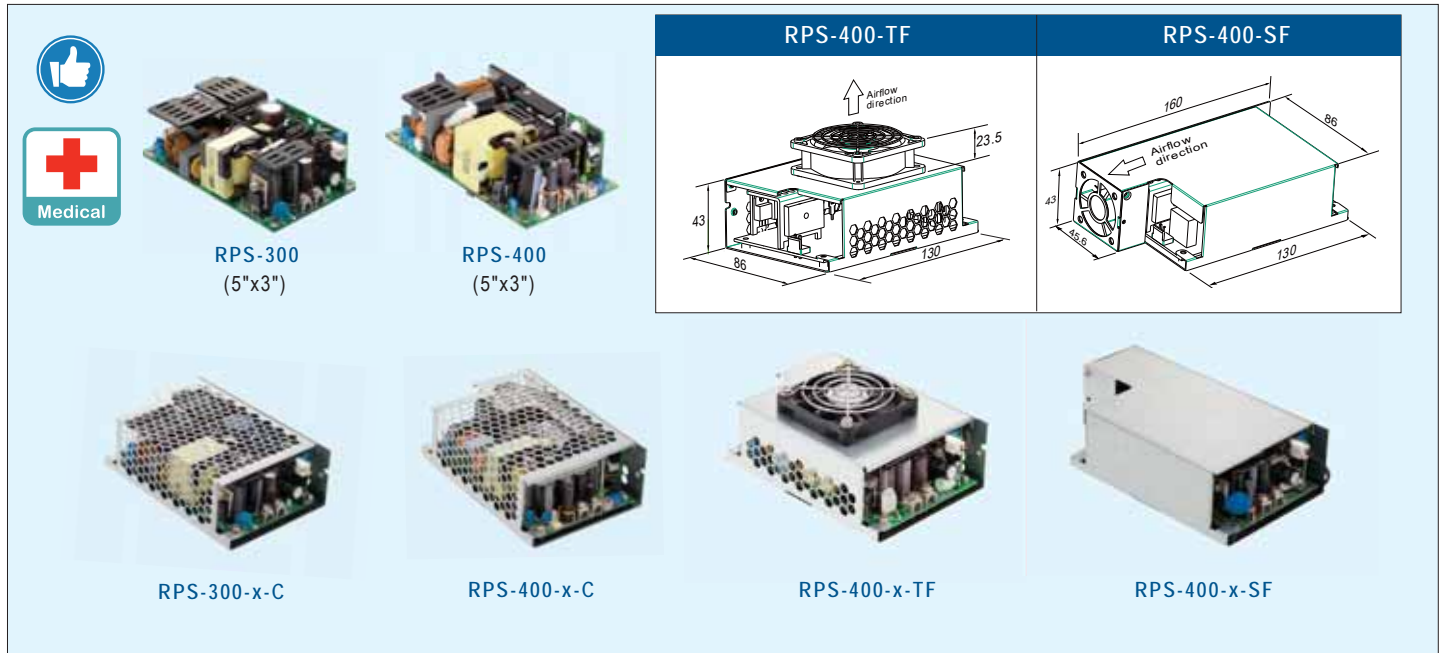
□ = blank, G; blank: basic function,  
G: with 5Vsb & no load power consumption < 0.5W

## 160W:Triple Output—Class I RPT-160

Model No.	Output	Tol.	R&N	Effi.	Max.
RPT□-160A○	5V, 0.6~14A 12V, 0.2~5.5A	±2% ±5%	60mV 80mV	84%	145W
RPT□-160B○	-5V, 0.1~1.0A 5V, 0.6~14A 12V, 0.2~5.0A	-5%,+7% ±2% ±5%	120mV 60mV 100mV	84%	146W
RPT□-160C○	-12V, 0.1~1.0A 5V, 0.6~14A 15V, 0.1~3.6A	-4%,+5% ±2% ±4%	100mV 60mV 80mV	83%	143W
RPT□-160D○	-15V, 0.1~1.0A 5V, 0.3~11A 12V, 0.2~5.0A 24V, 0.15~1.2A	±8% ±2% ±5% -5%,+7%	100mV 80mV 100mV 120mV	83%	148W

□ = blank, G; blank: basic function,  
G: with 5Vsb/0.8A & no load power consumption < 0.75W  
○ = blank, -C; blank: PCB type (standard); -C: Enclosed type (optional)

# Green Open Frame 300~400W Single Output Medical Grade



## Features

- Universal AC input / Full range
- Built-in active PFC function
- **Medical safety approved (2xMOPP)**
- Suitable for BF application with appropriate system consideration
- Class I or Class II configuration
- Protections:
  - Short circuit / Overload / Over voltage / Over temperature
- Extremely low leakage current
- Built-in P.G, P.F signal output and remote sense function
- No load power consumption **<0.5W by PS-ON only**
- Built-in 12V/0.5A fan supply
- Standby 5V@1A
- LED indicator for power on
- 3 years warranty

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



Model No.		RPS-300-x <input type="checkbox"/>	RPS-400-x <input type="checkbox"/>
Rated Power	Fan	300W (20.5CFM)	400W (25CFM)
	Convection	<b>200W</b>	<b>250W</b>
AC input voltage range		90~264VAC	80~264VAC
Leakage current		PCB type: <b>&lt;150µA</b> ; Enclosed type: <b>&lt;200µA</b>	<b>&lt;200µA</b>
DC adjustment range		±5%	
Overload protection		105%~135% hiccup mode, auto-recovery	
Withstand voltage		I/P-O/P: 4kVAC, I/P-FG:2kVAC, O/P-FG: 1.5kVAC	
Working temperature		-30~+70°C (refer to output derating curve)	
Safety standards		ANSI/AAMI ES60601-1, TUV BS EN/EN60601-1, EAC TP TC 004 approved; <b>EN60335-1 approved</b> for RPS-300	
EMC standards		BS EN/EN55011 class B (Radiation class A), EN61000-3-2,-3; EN60601-1-2, EAC TP TC 020	
Connection		JST B5P / screw terminal	
Dimension (LxWxH)(mm)		PCB : 127x 76.2x 35 (5"x3") Case: 130x 86x 43	PCB : 127x 76.2x 35 (5"x3") Case: 130x 86x 43(-C); 130x 86x 66.5(-TF); 160x 86x 43(-SF)

## 300W—Class I RPS-300

Model No.	Output (Convection / 20.5CFM)	Tol.	R&N	Effi.
RPS-300-12 <input type="checkbox"/>	12V, 16.67A / 25A	±3%	120mV	90.0%
RPS-300-15 <input type="checkbox"/>	15V, 13.33A / 20A	±3%	120mV	90.0%
RPS-300-24 <input type="checkbox"/>	24V, 8.33A / 12.5A	±2%	150mV	92.5%
RPS-300-27 <input type="checkbox"/>	27V, 7.4A / 11.12A	±2%	200mV	93.0%
RPS-300-48 <input type="checkbox"/>	48V, 4.17A / 6.25A	±2%	250mV	93.0%

## 400W—Class I or II RPS-400

Model No.	Output (Convection/25CFM)	Tol.	R&N	Effi.
RPS-400-12 <input type="checkbox"/>	12V, 20.8A / 33.3A	±3%	120mV	91.5%
RPS-400-15 <input type="checkbox"/>	15V, 16.7A / 26.7A	±3%	120mV	92%
RPS-400-18 <input type="checkbox"/>	18V, 13.9A / 22.3A	±3%	150mV	93%
RPS-400-24 <input type="checkbox"/>	24V, 10.5A / 16.7A	±2%	150mV	93%
RPS-400-27 <input type="checkbox"/>	27V, 9.3A / 14.9A	±1%	200mV	93.5%
RPS-400-36 <input type="checkbox"/>	36V, 7A / 11.2A	±1%	200mV	94%
RPS-400-48 <input type="checkbox"/>	48V, 5.3A / 8.4A	±1%	200mV	94%

= blank, -C, -TF, -SF;  
blank: PCB type, -C: Enclosed type, -TF: Enclosed type with fan on the top, -SF: Enclosed type with fan on the side



### 500W Single Output

- 5"x3" compact size
- 320W convection, 500W force air, 550W peak
- Built-in active PFC function
- Medical safety approved (2xMOPP)
- Suitable for BF application with appropriate system consideration
- Class I or Class II configuration
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Extremely low leakage current
- P.G, P.F signal output and remote sense function
- No load power consumption <0.5W by PS-ON control
- 12V/0.5A fan supply
- Standby 5V@1A
- LED indicator for power on
- 3 years warranty



**RPS-500**  
127x 76.2x 41 mm(5"x3")



**RPS-500-x-C**  
130x 86x 43 mm



**RPS-500-x-TF**  
130x 86x 66.5 mm



**RPS-500-x-SF**  
160x 86x 43 mm

AC input voltage range ..... 80~264VAC  
 Leakage current ..... <220μA  
 Withstand voltage ..... I/P-O/P: 4kVAC, I/P-FG: 2kVAC, O/P-FG: 1.5kVAC  
 Working temperature ..... -30~+70°C (refer to output derating curve)  
 Safety standards ..... ANSI/AAMI ES60601-1, TUV BS EN/EN60601-1, IEC60601-1, EAC TP TC 004 approved  
 EMC standards ..... BS EN/EN55011, EN61000-3-2, 3, EN61204-3, EN61000-4,2,3,4,5,6,8,11, EN60601-1-2, EAC TP TC 020

Model No.	Output (Convection/25CFM)	Tol.	R&N	Effi.
RPS-500-12□	12V, 26.7A / 41.6A	±3%	200mV	91%
RPS-500-15□	15V, 21.3A / 33.3A	±3%	200mV	92%
RPS-500-18□	18V, 17.8A / 27.8A	±3%	200mV	92.5%
RPS-500-24□	24V, 13.4A / 20.8A	±2%	200mV	93%
RPS-500-27□	27V, 11.9A / 18.5A	±2%	200mV	93.5%
RPS-500-36□	36V, 8.9A / 13.9A	±1%	200mV	94%
RPS-500-48□	48V, 6.7A / 10.4A	±1%	200mV	94%

□ = blank, -C, -TF, -SF:  
 blank: PCB type, -C: Enclosed type, -TF: Enclosed type with fan on the top, -SF: Enclosed type with fan on the side

### 200W Quad Output

- Universal AC input / Full range
- Built-in active PFC function
- Medical safety approved (2xMOPP)
- Suitable for BF application with appropriate system consideration
- Extremely low leakage current
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built-in remote sense function and remote ON/OFF control
- Free air convection for 140W, 200W with 25CFM forced air
- With P.G and P.F signal output
- 3 years warranty



**MPQ-200**  
177.8x 107.2x 35.5 mm  
(7"x 4.2")

AC input voltage range ..... 90~264VAC  
 AC inrush current ..... Cold start, 60A at 230VAC  
 Overload protection ..... 120%~160% Hiccup mode, auto-recovery  
 Over voltage protection ..... CH1: 115%~135% rated output voltage, Shut down o/p voltage  
 Leakage current ..... <180μA  
 Withstand voltage ..... I/P-O/P: 4kVAC, I/P-FG:1.5kVAC, O/P-FG: 1.5kVAC  
 Working temperature ..... -20~+70°C (refer to output derating curve)  
 Safety standards ..... ANSI/AAMI ES60601-1, TUV BS EN/EN60601-1, IEC60601-1, EAC TP TC 004 approved; Design refer to UL62368-1,  
 EMC standards ..... BS EN/EN55011/EN55032 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN60601-1-2, EN61000-6-2  
 Connection ..... 3P, 20P / 3.96mm pitch, JST B3P/VH, Molex 5566-20; 3P, 8Px2 / 3.96mm pitch. JSTB3P / B8Px2-VH

Model No.	Output	Tol.	R&N	Effi.	Max.
MPQ-200B	5V, 3.0~18A	±2%	80mV	78%	193W
	12V, 0.7~8.4A	±8%	120mV		
	-5V, 0.0~2.4A	±5%	80mV		
	-12V, 0.0~2.4A	±5%	80mV		
MPQ-200C	5V, 3.0~18A	±2%	80mV	78%	190W
	15V, 0.5~6.0A	±6%	150mV		
	-5V, 0.0~2.4A	±5%	80mV		
MPQ-200D	5V, 3.0~18A	±2%	80mV	79%	195W
	24V, 0.3~3.6A	±8%	180mV		
	12V, 0.0~2.4A	±5%	80mV		
MPQ-200F	5V, 3.0~18A	±2%	80mV	81%	200W
	24V, 0.3~3.3A	±8%	180mV		
	15V, 0.0~2.4A	±5%	80mV		
	-15V, 0.0~2.4A	±5%	80mV		