

Green Open Frame 30~200W 1~3 Output Medical Type



Features

- Universal AC input / Full range
- Built-in active PFC function (RPS-200)
- Class I or Class II installations (Class I only for enclosed type)
- Medical safety approved (2x MOPP)
- Suitable for BF application with appropriate system consideration
- Low leakage current <100µA (<150µA for RPS/D/T-60, 190µA for RPS-120/200)
- No load power consumption <0.1W (<0.3W for 120W, <0.5W for 200W, <0.75W for 60W)
- High efficiency up to 94%
- Protections: Short circuit / Overload / Over voltage / Over temp. (RPS-120/200)
- Built-in 12V/0.5A fan supply (RPS-120/200)
- LED indicator for power on (except for RPS/D/T-60)
- 3 years warranty

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



Model No.	RPS-30	RPS-45	RPS-65	RPS/D/T-60	RPS-120-x □	RPS-200-x □
Rated Power	NA				120W (10CFM)	200W (10CFM)
Fan	NA				120W (10CFM)	200W (10CFM)
Convection	30W	45W	65W	60W	84W	140W
AC input voltage range	80~264VAC			90~264VAC	80~264VAC	
DC adjustment range	±10% rated output voltage			-5%~+10%	±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			-20~+70°C(RPS), -20~+65°C(RPD/T)	-30~+70°C	
Safety standards	ANSI/AAMI ES60601-1, TUV EN60601-1 approved; UL/EN60950-1 for RPS/D/T-60 only					
EMC standards	EN55022 (RPS/D/T-60), EN55011 class B, EN61000-3-2,-3, EN61000-4,2,3,4,5,6,8,11, EN60601-1-1-2					
Connection	JST B3P / B2P-VH	JST B3P / B4P-VH		JST B3P / B4P-VH (RPS-60) JST B3P / B6P-VH (RPD/T-60)	JST B3P / B4P-VH	JST B3P / B6P-VH
Dimension (LxWxH)(mm)	76.2x 50.8x 24			101.6x 50.8x 29	PCB: 101.6x 50.8x 29 ; Case: 103.4x 62x 40	

30W—Class II

NEW RPS-30

Model No.	Output (Rated / Peak)	Tol.	R&N	Effi.
RPS-30-3.3	3.3V, 6A / 6.6A	±2%	80mV	80.0%
RPS-30-5	5V, 6A / 6.6A	±2%	80mV	82.0%
RPS-30-7.5	7.5V, 4A / 4.4A	±2%	80mV	84.0%
RPS-30-12	12V, 2.5A / 2.75A	±2%	120mV	88.0%
RPS-30-15	15V, 2A / 2.2A	±2%	150mV	89.0%
RPS-30-24	24V, 1.25A / 1.375A	±1%	240mV	89.5%
RPS-30-48	48V, 0.625A / 0.687A	±1%	300mV	91.0%

45W—Class II

NEW RPS-45

Model No.	Output (Rated / Peak)	Tol.	R&N	Effi.
RPS-45-3.3	3.3V, 8A / 8.8A	±2%	80mV	80.0%
RPS-45-5	5V, 8A / 8.8A	±2%	80mV	83.0%
RPS-45-7.5	7.5V, 5.4A / 5.95A	±2%	80mV	85.0%
RPS-45-12	12V, 3.8A / 4.18A	±2%	120mV	88.0%
RPS-45-15	15V, 3A / 3.3A	±2%	150mV	89.0%
RPS-45-24	24V, 1.9A / 2.1A	±1%	240mV	90.0%
RPS-45-48	48V, 0.94A / 1.03A	±1%	300mV	91.0%

65W—Class II

NEW RPS-65

Model No.	Output (Rated / Peak)	Tol.	R&N	Effi.
RPS-65-3.3	3.3V, 10A / 11A	±2%	80mV	80.0%
RPS-65-5	5V, 10A / 11A	±2%	80mV	84.0%
RPS-65-7.5	7.5V, 8A / 8.8A	±2%	80mV	85.0%
RPS-65-12	12V, 5.42A / 5.96A	±2%	120mV	88.0%
RPS-65-15	15V, 4.34A / 4.77A	±1%	150mV	89.0%
RPS-65-24	24V, 2.71A / 2.98A	±1%	240mV	90.0%
RPS-65-48	48V, 1.36A / 1.49A	±1%	300mV	91.0%

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%	80mV	74.0%
RPS-60-5	5V, 10A / 11A	±2%	80mV	79.0%
RPS-60-12	12V, 5A / 5.5A	±2%	120mV	83.0%
RPS-60-15	15V, 4A / 4.4A	±2%	150mV	84.0%
RPS-60-24	24V, 2.5A / 2.75A	±1%	240mV	85.0%
RPS-60-48	48V, 1.25A / 1.375A	±1%	300mV	86.0%

60W:Dual Output—Class I

RPD-60

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

60W:Triple Output—Class I

RPT-60

Model No.	Output	Tol.	R&N	Effi.	Max.
RPT-60A	5V, 0.5~4.4A	+3%, -2%	80mV	77%	51W
	12V, 0.1~2.2A	±6%	80mV		
RPT-60B	-5V, 0.1~0.55A	+9%, -8%	80mV	78%	55W
	5V, 0.5~4.4A	+3%, -2%	80mV		
RPT-60C	12V, 0.1~2.2A	±6%	80mV	79%	55W
	-12V, 0.1~0.55A	+10%, -6%	100mV		
RPT-60D	5V, 0.5~4.4A	+3%, -2%	80mV	79%	52W
	15V, 0.1~0.65A	±6%	100mV		
RPT-6003	-15V, 0.1~0.55A	±8%	150mV	75%	44W
	5V, 0.5~3.85A	+3%, -2%	80mV		
	24V, 0.1~1.1A	±6%	150mV		
	12V, 0.1~0.55A	±8%	80mV		
RPT-6003	3.3V, 0.5~5.5A	+3%, -2%	80mV	75%	44W
	5V, 0.3~3.3A	±8%	80mV		
	12V, 0.1~0.77A	+10%, -6%	80mV		

120W—Class I or II

NEW RPS-120

Model No.	Output (Convection/10CFM)	Tol.	R&N	Effi.
RPS-120-12 □	12V, 7A / 10A	±2%	120mV	88.0%
RPS-120-15 □	15V, 5.6A / 8A	±2%	120mV	88.5%
RPS-120-24 □	24V, 3.5A / 5A	±1%	150mV	90.0%
RPS-120-27 □	27V, 3.15A / 4.5A	±1%	150mV	90.0%
RPS-120-48 □	48V, 1.75A / 2.5A	±1%	200mV	91.0%

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

200W—Class I or II

NEW RPS-200

Model No.	Output (Convection/10CFM)	Tol.	R&N	Effi.
RPS-200-12 □	12V, 11.7A / 16.7A	±2%	100mV	93%
RPS-200-15 □	15V, 9.4A / 13.4A	±2%	100mV	93%
RPS-200-24 □	24V, 5.9A / 8.4A	±1%	150mV	94%
RPS-200-27 □	27V, 5.3A / 7.5A	±1%	150mV	94%
RPS-200-48 □	48V, 3A / 4.2A	±1%	200mV	94%

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