



Блоки питания компактные серии MPS

Технические характеристики



По вопросам продаж и поддержки обращайтесь:

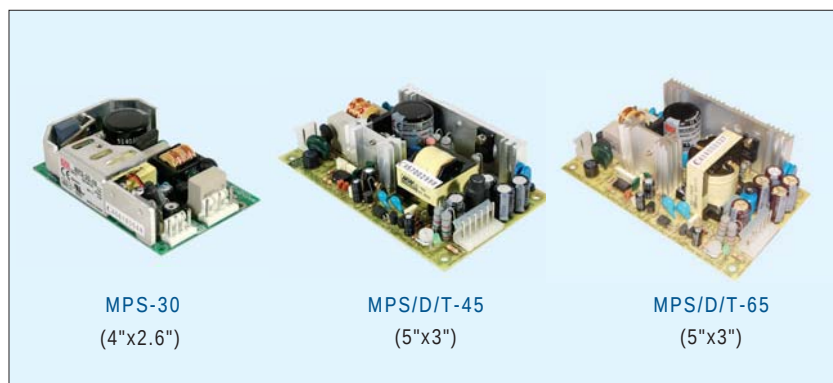
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30~65W 1~3 Output Medical Type



Features

- Universal AC input / Full range
- **Medical safety approved (2x MOPP)**
- Protections: Short circuit / Overload / Over voltage / Over temperature (MPS-30)
- Low leakage current <250μA (<200μA for MPS-30)
- Cooling by free air convection
- 3 years warranty



Model No.	MPS-30	MPS/D/T-45	MPS/D/T-65
AC input voltage range	88~264VAC; 120~370VDC	90~264VAC; 127~370VDC	
DC adjustment range	NA	CH1: ±10% rated output voltage	
Overload protection	>105% rated output power	53~75W rated output power	73~105W rated output power
Over voltage protection	110%~135%	CH1: 115%~135% hiccup mode, auto-recovery	
Withstand voltage	I/P-O/P: 4kVAC, I/P-FG:2kVAC, 1 minute		
Working temperature	-10~+60°C (refer to output derating curve)		
Safety standards	ANSI/AAMI ES60601-1, TUV EN60601-1 approved		
EMC standards	EN55011 class B, EN61000-3-2, -3, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN60601-1-2		
Connection	5+4P/3.96mm pitch, Molex P/N:41791-05,04	2P+6P/3.96mm pitch, Molex P/N:5277-02, 5273-06	
Dimension (LxWxH)(mm)	101.6x 65.8x 23.5	127x 76x 28	127x 76x 42

30W:Single Output—Class I MPS-30

Model No.	Output	Tol.	R&N	Effi.
MPS-30-5	5V, 0~5.0A	±3%	80mV	72%
MPS-30-12	12V, 0~2.5A	±3%	120mV	75%
MPS-30-15	15V, 0~2.0A	±3%	150mV	76%
MPS-30-24	24V, 0~1.2A	±3%	240mV	77%
MPS-30-27	27V, 0~1.1A	±3%	240mV	78%
MPS-30-48	48V, 0~0.6A	±2%	240mV	78%

45W:Single Output—Class I MPS-45

Model No.	Output	Tol.	R&N	Effi.
MPS-45-3.3	3.3V, 0~8.0A	±3%	80mV	65%
MPS-45-5	5V, 0~8.0A	±3%	100mV	72%
MPS-45-7.5	7.5V, 0~5.4A	±3%	100mV	75%
MPS-45-12	12V, 0~3.7A	±2%	100mV	76%
MPS-45-13.5	13.5V, 0~3.3A	±2%	100mV	76%
MPS-45-15	15V, 0~3.0A	±2%	100mV	77%
MPS-45-24	24V, 0~1.9A	±2%	100mV	78%
MPS-45-27	27V, 0~1.7A	±2%	100mV	78%
MPS-45-48	48V, 0~1.0A	±2%	100mV	78%

45W:Dual Output—Class I MPD-45

Model No.	Output	Tol.	R&N	Effi.	Max.
MPD-45A	5V, 0.4~5.0A	±4%	60mV	76%	40W
	12V, 0.2~2.5A	±7%	120mV		
MPD-45B	5V, 0.4~5.0A	±4%	60mV	78%	45W
	24V, 0.2~1.8A	±7%	150mV		

45W:Triple Output—Class I MPT-45

Model No.	Output	Tol.	R&N	Effi.	Max.
MPT-45A	5V, 0.4~5.0A	±4%	60mV	73%	41W
	12V, 0.2~2.5A	±7%	120mV		
	-5V, 0.0~0.5A	±5%	60mV		
MPT-45B	5V, 0.4~5.0A	±4%	60mV	75%	43W
	12V, 0.2~2.5A	±7%	120mV		
	-12V, 0.0~0.5A	±5%	100mV		

Model No.	Output	Tol.	R&N	Effi.	Max.
MPT-45C	5V, 0.4~5.0A	±4%	60mV	75%	44W
	15V, 0.2~2.3A	±7%	120mV		
	-15V, 0.0~0.5A	±5%	100mV		

65W:Single Output—Class I MPS-65

Model No.	Output	Tol.	R&N	Effi.
MPS-65-3.3	3.3V, 0~12A	±3%	80mV	66%
MPS-65-5	5V, 0~12A	±3%	100mV	74%
MPS-65-7.5	7.5V, 0~8.0A	±3%	100mV	76%
MPS-65-12	12V, 0~5.2A	±2%	100mV	77%
MPS-65-13.5	13.5V, 0~4.7A	±2%	100mV	78%
MPS-65-15	15V, 0~4.2A	±2%	100mV	79%
MPS-65-24	24V, 0~2.7A	±2%	100mV	80%
MPS-65-27	27V, 0~2.4A	±2%	100mV	80%
MPS-65-48	48V, 0~1.35A	±2%	100mV	80%

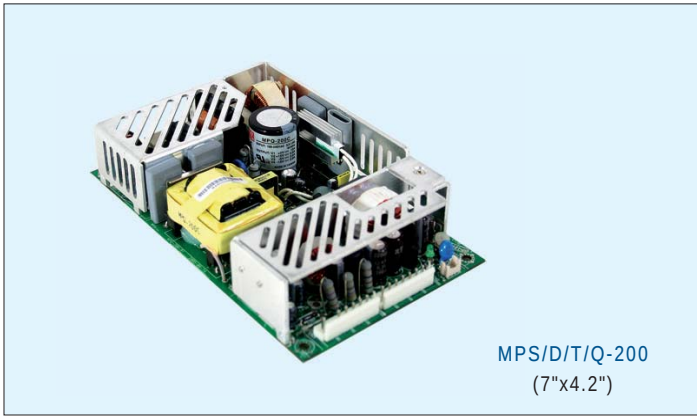
65W:Dual Output—Class I MPD-65

Model No.	Output	Tol.	R&N	Effi.	Max.
MPD-65A	5V, 0.4~7.0A	±4%	60mV	75%	61W
	12V, 0.2~3.2A	±7%	150mV		
MPD-65B	5V, 0.4~6.0A	±4%	60mV	78%	66W
	24V, 0.2~2.6A	±7%	150mV		

65W:Triple Output—Class I MPT-65

Model No.	Output	Tol.	R&N	Effi.	Max.
MPT-65A	5V, 0.4~7.0A	±4%	60mV	74%	60W
	12V, 0.2~3.2A	+10%, -7%	120mV		
	-5V, 0.0~0.7A	±5%	60mV		
MPT-65B	5V, 0.4~7.0A	±4%	60mV	74%	64W
	12V, 0.2~3.2A	+10%, -7%	160mV		
	-12V, 0.0~0.7A	±5%	100mV		
MPT-65C	5V, 0.4~7.0A	±4%	60mV	74%	65W
	15V, 0.2~2.6A	+10%, -7%	180mV		
	-15V, 0.0~0.7A	±5%	100mV		

200W 1~4 Output Medical Type



■ Features

- Universal AC input / Full range
- Built-in active PFC function
- Medical safety approved (2xMOPP)
- Suitable for BF application with appropriate system consideration
- Low leakage current <180μA
- 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 singal output
- 3 years warranty



Model No.	MPS/D/T/Q-200	
AC input voltage range	90~264VAC	
AC inrush current (max.)	Cold start, 60A at 230VAC	
DC adjustment range	CH1: -5~+10% rated output voltage	
Overload protection	Range	120%~160% rated output power
	Type	Hiccup mode, auto-recovery
Over voltage protection	Range	CH1: 115%~135% rated output voltage
	Type	Shut down o/p voltage
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 EN60601-1, IEC60601-1 approved; Design refer to UL60950-1, TUV EN60950-1	
EMC standards	EN55011/EN55022 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	
Dimension (LxWxH)(mm)	177.8x 107.2x 35.5	

■ 200W:Single Output—Class I MPS-200

Model No.	Output	Tol.	R&N	Effi.	Max.
MPS-200-3.3	3.3V, 0~40A	±2%	80mV	77%	
MPS-200-5	5V, 0~40A	±2%	80mV	81%	
MPS-200-12	12V, 0~16.7A	±2%	100mV	84%	
MPS-200-15	15V, 0~13.4A	±2%	100mV	85%	
MPS-200-24	24V, 0~8.4A	±1%	150mV	86%	
MPS-200-48	48V, 0~4.2A	±1%	200mV	87%	

■ 200W:Dual Output—Class I MPD-200

Model No.	Output	Tol.	R&N	Effi.	Max.
MPD-200A	5V, 4.0~24A	±2%	80mV	82%	196W
	12V, 0.8~9.6A	+8%, -5%	120mV		
MPD-200B	5V, 4.0~24A	±2%	80mV	83%	196W
	24V, 0.4~4.8A	±6.5%	180mV		

■ 200W:Triple Output—Class I MPT-200

Model No.	Output	Tol.	R&N	Effi.	Max.
MPT-200A	5V, 4.0~24A	±2%	80mV	80%	200W
	12V, 0.8~9.0A	±8%	120mV		
	-5V, 0.0~2.4A	±5%	80mV		
MPT-200B	5V, 4.0~24A	±2%	80mV	80%	196W
	12V, 0.6~7.2A	±8%	120mV		
	-12V, 0.0~2.4A	±5%	80mV		
MPT-200C	5V, 4.0~24A	±2%	80mV	80%	201W
	15V, 0.5~5.6A	±8%	150mV		
	-15V, 0.0~2.4A	±5%	80mV		

Model No.	Output	Tol.	R&N	Effi.	Max.
MPT-200D	5V, 4.0~24A	±2%	80mV	81%	196W
	24V, 0.3~3.6A	±8%	180mV		
	12V, 0.0~2.4A	±5%	80mV		

■ 200W:Quad Output—Class I MPQ-200

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		
MPQ-200C	-12V, 0.0~2.4A	±5%	80mV		
	5V, 3.0~18A	±2%	80mV	78%	190W
	15V, 0.5~6.0A	±6%	150mV		
MPQ-200D	-5V, 0.0~2.4A	±5%	80mV		
	-15V, 0.0~2.4A	±5%	80mV		
	5V, 3.0~18A	±2%	80mV	79%	195W
MPQ-200F	24V, 0.3~3.6A	±8%	180mV		
	12V, 0.0~2.4A	±5%	80mV		
	-12V, 0.0~2.4A	±5%	80mV		
MPQ-200G	5V, 3.0~18A	±2%	80mV	81%	200W
	24V, 0.3~3.3A	±8%	180mV		
	15V, 0.0~2.4A	±5%	80mV		
MPQ-200H	-15V, 0.0~2.4A	±5%	80mV		

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