



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		±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%