



Features

- Universal AC input / Full range
- Full output 3~48V safety approved
- Protections: Short circuit / Over voltage / Overload / Over temp.
- Fully enclosed plastic case
- Fixed switching frequency and regulation
- Topology: Top switch circuit
- Low leakage current $\leq 0.3\text{mA}$
- LED indicator for power on
- Medical safety approved
- 2 years warranty

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



Order No.	MES30A	MES30C	MES50A	MES30B
AC input voltage range	90~264VAC / 0.8~0.4A			
AC inrush current (max.)	Cold start, <35A peak at 230VAC			
Overload protection	Hiccup mode, auto-recovery			
Over voltage protection	110%~140% rated output voltage		110%~150% rated output voltage	110%~140% rated output voltage
Setup, rise, hold up time	300ms, 50ms, 16ms at full load			
Withstand voltage	I/P-O/P:5656VDC, I/P-FG:2828VDC, 1 minute			I/P-O/P:5656VDC, 1 minute
Working temperature	0~+65°C (refer to output load derating curve)			
Safety standards	UL60601-1, TUV EN60601-1, IEC601-1 approved			
EMC standards	EN55011 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11 (EN60601-1-2)			
Standard output cable	180cm of UL1185,18AWG for 9~48V output ; 120cm of SPT-2,16AWG for 3~7.5V output			
Standard output plug	P1J: 2.1øx5.5øx11mm / C+, tuning fork type (refer to page 68 for DC plug list)			

Desktop (IEC 320-C14 / Class I)— 30W

Order No.	Output	Tol.	R&N	Effi.
MES30A-0P1J	3.3V, 0~5.00A	±8%	30mV	56%
MES30A-1P1J	5V, 0~5.00A	±5%	30mV	70%
MES30A-1-1P1J	7.5V, 0~3.33A	±4%	40mV	72%
MES30A-2P1J	9V, 0~3.33A	±4%	50mV	74%
MES30A-3P1J	12V, 0~2.50A	±3%	50mV	76%
MES30A-4P1J	15V, 0~2.00A	±2%	60mV	78%
MES30A-5P1J	18V, 0~1.66A	±2%	70mV	78%
MES30A-6P1J	24V, 0~1.25A	±2%	80mV	80%
MES30A-7P1J	28V, 0~1.07A	±2%	100mV	80%
MES30A-8P1J	48V, 0~0.62A	±2%	100mV	82%

Desktop (IEC 320-C6 / Class I)— 30W

Order No.	Output	Tol.	R&N	Effi.
MES30C-0P1J	3.3V, 0~5.00A	±8%	30mV	56%
MES30C-1P1J	5V, 0~5.00A	±5%	30mV	70%
MES30C-1-1P1J	7.5V, 0~3.33A	±4%	40mV	72%
MES30C-2P1J	9V, 0~3.33A	±4%	50mV	74%
MES30C-3P1J	12V, 0~2.50A	±3%	50mV	76%
MES30C-4P1J	15V, 0~2.00A	±2%	60mV	78%
MES30C-6P1J	24V, 0~1.25A	±2%	80mV	80%
MES30C-8P1J	48V, 0~0.62A	±2%	100mV	82%

Desktop (IEC 320-C14 / Class I)— 50W

Order No.	Output	Tol.	R&N	Effi.
MES50A-0R1B	3.3V, 0~7.50A	±10%	50mV	60%
MES50A-1R1B	5V, 0~7.50A	±6%	50mV	67%
MES50A-1-1R1B	7.5V, 0~5.33A	±5%	75mV	70%
MES50A-2P1J	9V, 0~5.00A	±5%	90mV	72%
MES50A-3P1J	12V, 0~4.16A	±3%	100mV	74%
MES50A-4P1J	15V, 0~3.33A	±3%	100mV	75%
MES50A-5P1J	18V, 0~2.77A	±3%	150mV	78%
MES50A-6P1J	24V, 0~2.08A	±2%	150mV	78%
MES50A-7P1J	28V, 0~1.78A	±2%	150mV	80%
MES50A-8P1J	48V, 0~1.04A	±2%	200mV	80%

Desktop (IEC 320-C8 / Class II)— 30W

Order No.	Output	Tol.	R&N	Effi.
MES30B-0P1J	3.3V, 0~5.00A	±8%	30mV	56%
MES30B-1P1J	5V, 0~5.00A	±5%	30mV	70%
MES30B-1-1P1J	7.5V, 0~3.33A	±4%	40mV	72%
MES30B-2P1J	9V, 0~3.33A	±4%	50mV	74%
MES30B-3P1J	12V, 0~2.50A	±3%	50mV	76%
MES30B-4P1J	15V, 0~2.00A	±2%	60mV	78%
MES30B-6P1J	24V, 0~1.25A	±2%	80mV	80%
MES30B-8P1J	48V, 0~0.62A	±2%	100mV	82%