

MPU 51

Medical

50 W

Country of Origin: Taiwan
 Operating Temperature: 0 °C – 70 °C
 Dimensions: 146 x 76 x 43 mm
 Approvals / Marks:



Features:

Switching Power Supply For Medical Equipment. Compliant With EN 60601-1:2006 (3rd edition)

Wide Operating Voltage AC 90 V – 264 V, 47 Hz – 63 Hz

Energy Star 2.0, Efficiency Level V, ErP Stage 2

Splash Proof

1 Year Warranty

Specifications:

		OUTPUT				
SINGLE OUTPUT	MODEL	Voltage	min. Load	max. Load	Tolerance	Max. Power
	MPU 51-101	3 V – 5 V	0 A	10.00 A – 8.00 A	5 %	40 W
	MPU 51-102	5 V – 6 V	0 A	8.00 A – 6.66 A	5 %	40 W
	MPU 51-103	6 V – 8 V	0 A	7.00 A – 5.25 A	5 %	42 W
	MPU 51-104	8 V – 11 V	0 A	5.63 A – 4.09 A	4 %	45 W
	MPU 51-105	11 V – 13 V	0 A	4.09 A – 3.46 A	3 %	45 W
	MPU 51-106	13 V – 16 V	0 A	3.46 A – 2.81 A	3 %	50 W
	MPU 51-107	16 V – 21 V	0 A	3.12 A – 2.38 A	3 %	50 W
	MPU 51-108	21 V – 27 V	0 A	2.38 A – 1.85 A	2 %	50 W
	MPU 51-109	27 V – 33 V	0 A	1.85 A – 1.51 A	2 %	50 W
	MPU 51-110	33 V – 40 V	0 A	1.51 A – 1.25 A	2 %	50 W
MPU 51-110	40 V – 50 V	0 A	1.25 A – 1.00 A	2 %	50 W	

		Output #1				Output #2				Output #3				Maximum Output Power	
MULTIPLE OUTPUT	MODEL	V	A min	A max	Reg.	V	A min	A max	Reg.	V	A min	A max	Reg.		
	MPU 51-200	3.3	0.5	5	7 %	12	0.2	2	5 %						40 W
	MPU 51-201	5	0.5	5	5 %	12	0.2	2	5 %						42 W
	MPU 51-202	5	0.5	5	5 %	15	0.15	1.5	6 %						42 W
	MPU 51-203	5	0.5	5	5 %	24	0.1	1	5 %						42 W
	MPU 51-204	3.3	0.5	5	7 %	5	0.2	2	5 %						26.5 W
	MPU 51-209	12	0.3	5	5 %					-12	0	1	5 %		42 W
	MPU 51-210	15	0.2	3	5 %					-15	0.1	1	5 %		42 W
	MPU 51-300	3.3	0.5	2	7 %	12	0.4	2	5 %	-12	0.1	0.8	5 %		42 W
	MPU 51-301	5	0.5	5	5 %	12	0.2	2	5 %	-5	0	0.8	5 %		42 W
	MPU 51-302	5	0.5	5	5 %	12	0.2	2	5 %	-12	0.1	0.8	5 %		42 W
	MPU 51-303	5	0.5	5	5 %	15	0.4	2	6 %	-15	0.1	0.8	5 %		42 W
	MPU 51-304	5	0.5	5	5 %	24	0.2	1	5 %	-24	0	0.5	5 %		42 W
	MPU 51-305	5	0.5	5	5 %	24	0.1	1	5 %	-12	0	0.8	5 %		42 W
MPU 51-306	3.3	0.5	5	7 %	12	0.4	2	5 %	-5	0.1	0.8	5 %		42 W	

INPUT	Voltage	AC 90 V – 264 V
	Frequency	47 Hz – 63 Hz
	Current (max)	1.35 A max. / 0.8 A max (at Low Line / High Line input)
	Leakage Current	0.1 mA
	Surge Current	15 A max. / 30 A max. (at Low Line / High Line input)
PROTECTION	Overload	110 % – 150 %
	Over Voltage	112 % – 132 %
	Short Circuit	Yes

OTHERS	Setup time	2 s max.
	Holdup time	16 ms typ.
	Cooling	Convection
	Withstand Voltage	5656 V Primary to Secondary / 2828 V Primary to Ground
Environment	Temperature	Operation: 0 °C – 70 °C (derating at 50 °C) / Storage: -40 °C – 85 °C
	Humidity	Operation: 0 % RH – 95 % RH / Storage: 0 % RH – 95 % RH
Connection	Output	Standard Plug (Single Output): 5.5 m x 2.1 mm Standard Plug (Multiple Output): DIN plug 5 pins
	Input	IEC 320-C14 inlet
MTBF		100,000 h according to MIL-HDBK-217F
SAFETY		ANSI/AAMI ES 60601-1:2005 (UL/cULL 3 rd edition) EN 60601-1:2006 (3 rd edition)
EMC	EMI	EN 55022 / EN 61000
	EMS	EN 55024
WEIGHT		510 g – 560 g

