



MBU123 series

125W Open frame type switching power supplies for Medical Equipment

The MBU123 series of AC/DC switching mode power supplies provide 125Wals of connuous output power . All supplies are UL94V-1 min compliant. All models meet FCC Part-18 class B and CISPR-11 EN55011 class B emission Limits and are designed to comply with ANSI/AAMI ES 60601-1: 2005(UL/cUL 3rd Edion), EN 60601-1:2006(TUV/T-mark 3rd Edion) and new CE requirements. All units are 100% burned in and tested.



Features

Wide Operating Voltage, 90 to 260 VAC, 47 to 63 Hz

Dual Output (5V Standby Output)

Remote On/Off control

Surage \pm 3kV

Medical Safety 3rd (EN60601-1 3rd Edition)

Input to Output : 2MOPP

Class I system

Active Power Factor Correction

Hold-Up Time over 50ms

5 year warranty

Specification & safety report



Data

sheet (MBU123)



UL (NOA)



CB

Electrical characteristics

Efficiency: 88% typ.

Line Regulation: 1% max.

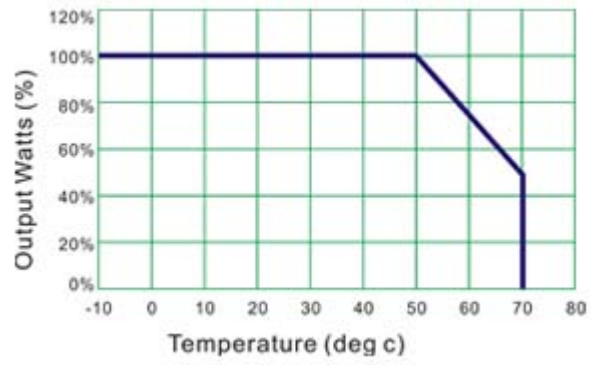
Load Regulation: 5% max.

Hold-up Time: 50mS min.

Output ripple and noise: 0.5% (Typ.).

Environmental

Operating Temperature: -10 to 70°C
 Derate linearly from 100% load at 50°C to 50% load at 70°C
 Storage Temperature: -40~85°C
 Operating Humidity : 0~95%
 Storage Humidity: 0~95%
 MTBF: 200,000 calculated hours



Model No.	Output Voltage		Output Current		Total Regulation	Max. Output Power	Certificate
	Vo1	Vo2	Io1	Io2			
▶MBU123-105	5VDC	12VDC	3A	9.00A	3%	123W	UL/cUL, CB, RoHS2
▶MBU123-107	5VDC	19VDC	3A	5.68A	3%	123W	RoHS2
▶MBU123-108	5VDC	24VDC	3A	4.58A	3%	125W	RoHS2
▶MBU123-110	5VDC	36VDC	3A	3.05A	3%	125W	RoHS2
▶MBU123-111	5VDC	48VDC	3A	2.29A	3%	125W	RoHS2