

120W Desktop Type Switching Power Supplies For Medical Equipment

DESCRIPTION

The NSP-MDT120 series of AC/DC switching mode power supplies provide 120 Watts of continuous output power. All supplies are UL94V-1 min compliant include IEC-320-C6 input for worldwide applications. They are ideally suited for use in hospital instrument and many other applications. All models meet FCC Part-18 class B and CISPR-11 EN55011 class B emission Limits and are designed to comply with UL/c-UL (UL 60601-1) TUV/T-mark (EN 60601-1) and new CE requirements. All units are 100% burned in and tested.



Application

- Medical Microscope
- Display Monitors
- Other diagnostic equipments

FEATURES

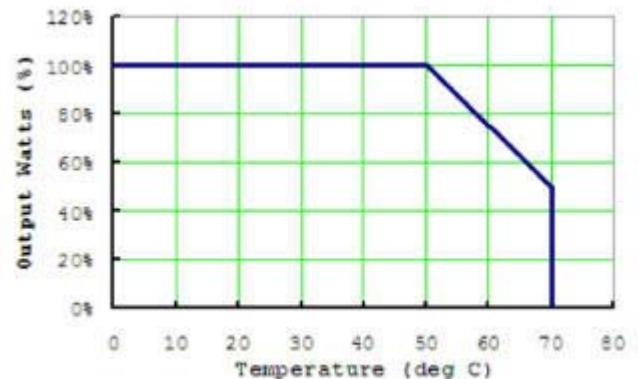
- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- IEC-320-C6 Input Inlet
- Output Voltage Available from 12VDC through 48VDC
- Optional Output Connector
- Input Surge Current, Over Voltage and Over Load Protection
- Power Factor Correction
- Over-Voltage Protection:
Output Limited Between 130 To 180% Of Nominal Voltage, Hiccup Mode
- Over-Current / Short Circuit: Hiccup Mode With Autorecovery Once Fault Has Been Removed
- Class I Insulation
- 3 year warranty
- 167x65x37cm

ELECTRICAL CHARACTERISTICS

- Efficiency: 88% max.
- Line Regulation: 1% max.
- Load Regulation: 3% max.
- Hold-up Time: 8mS min. @ 120VAC
- Output ripple and noise: 0.5% (Typ.).
- Leakage Current: < 300uA AT 240VAC

ENVIRONMENTAL

- Operating Temperature: 0 to 50°C
- De-rate linearly from 100% load at 50°C to 50% load at 70°C
- Storage Temperature: -40 to 85°C
- Relative Humidity: 5 to 95%
- MTBF: 200,000 calculated hours.



▶ OUTPUT VOLTAGE AND CURRENT RANGE

Model No.	Output Voltage	Output Current	Total Regulation	Ripple Noise	Max. Output Power	Safety
▶ NSP-MDT120-12	+12VDC	0-9A typ., 15Apk	3%	100mVpp	120W	UL/CUL, TUV-GS, CE,
▶ NSP-MDT120-15	+15VDC	0-7.5A typ., 10Apk	3%	100mVpp	120W	UL/CUL, TUV-GS, CE,
▶ NSP-MDT120-18	+18VDC	0-6.5 typ., 9Apk	3%	100mVpp	120W	UL/CUL, TUV-GS, CE,
▶ NSP-MDT120-24	+24VDC	0-5A typ., 7Apk	3%	100mVpp	120W	UL/CUL, TUV-GS, CE,
▶ NSP-MDT120-48	+48VDC	0-2.5A typ., 4Apk	3%	100mVpp	120W	UL/CUL, TUV-GS, CE,

Contact factory for more details.