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Switched mode power supply TP77A

96W Class II military
Uninterruptible Power Supply
(UPS)



Overview TP77A

- 96W Uninterruptible medical power supply
- 3 converters:

*First converter generates a DC BUS voltage to supply the main converter, high voltage converter and the battery charger
A push-pull converter
A third converter is used to generate three high output voltages.*

- Remote on/off functionality and the high voltage outputs can be switched on and off separately by external inputs
- Battery powered in case of absence of AC mains or power interruptions
- Custom made

Application

- Medical scanner used for militaries and animals
- Complies with IEC 601-1 BF medical safety standards
- Suitable for field operations where no AC mains is available

Detailed specifications

Input

AC mains

- Jumper selectable input voltage ranges: 98 - 135 Vac
196 - 270 Vac

External Battery

- Input voltage range: 10.4V - 14.9Vdc
- Leakage current: 1 mA RMS max.
- Efficiency: > 77%

Output

- Multiple output voltages: +5V, +70V, +15V, -70V,
+70V, -12V, -180V
- Nominal output power: 96W

Protections

- Overload / Short circuit protection
- Thermal overload protection

Safety & EMC

- IEC 601-1 BF Class II
- EN 60950
- VDE 0871 class B

Cooling

- Forced air convection

Mechanical construction

- Open frame construction

Connection

- Input/Output: Leoco connectors

Dimensions & weight

- Size (L x W X H): 180 x 150 x 40 mm
7,1 x 5,9 x 1,6 inch
- Weight: 0,76 KG