



12V 2A Power Supply with Battery Backup for use with RFID Receivers Datasheet

Applications: Supply Battery Backed-up 12V 2A DC current for Active Tagging Receivers, Relays and Sound & Strobe Alarms

Description

A Battery Backed-up 12V 2A DC power supply for use with Active Tagging Intelligent Building products. Each unit can power 4 XT-200/XT-210 RFID receivers or 8 Sound & Strobe Alarms or a relay panel for interface with access control systems

Compliance

This power supply unit complies with the following European Directives:

Low Voltage 73/23/EC EMC 89/336/EC WEEE 2002/96/EC

The PSU meets the following classifications according to BSEN 50131-6: 1998

PSU Type	A (when fitted with a standby battery)
Security grade of installation	N/A
Environmental	II

Specification

Input Specifications

Voltage	230V AC Nominal +10% / -15%
Frequency	50Hz
Mains Input Fuse	T2A 20mm 230V HRC

Output Specifications

Voltage	13.6 - 14.0 VDC on mains power 10.5 - 12.3 VDC on battery backup
Load Current	2A
Ripple	50mV pk - pk max @230V +/- 10% 600mV pk - pk max @230V 15%
Load Regulation	5%
Load Output Fuse	2A
Overload	Electronic shutdown until overload or short circuit removed

Battery

Battery Capacity	7Ah
Battery Recharge Time	13hrs
Temperature	-10° C to +70° C
Humidity	5% to 80% (non condensing)

External locations will require a sealed IP66 electrical enclosure (non-metallic) for the reader.

Environmental

Temperature	-10° C to +40° C (operating) 95% RH non-condensing -20 to +80C (storage)
Dimensions	230 X 200 X 80mm

Features

- ◆ Continuous full rated current to load
- ◆ Additional 0.5A to charge standby battery
- ◆ Load output features full electronic short circuit protection under mains operation
- ◆ Mains transient protection circuit
- ◆ Mains present and Fault indicator LED's

Compliant with the EMC and R&TTE directives governed by the UK Radio Interface Requirement.



EN 301489 P1
Emissions &
Immunity.
R&TTE 203

Classified as a Class 2 Security Product



ACTIVE TAGGING LIMITED

DEAN CLOUGH MILLS, HALIFAX, WEST YORKSHIRE HX3 5AX.

TEL: +44(0)845 230 4140 FAX: +44(0)870 350 4142 WEBSITE: www.xtag.co.uk/ www.activetagging.co.uk E-MAIL: [sales@xtag.co.uk/](mailto:sales@xtag.co.uk) sales@activetagging.co.uk

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