

'EN'

Range

12 Volt dc Power Supply Units

EN50131 GRADES 2 - 4



New tamper proof cases



ELMDENE

Security & Fire Products

Benefits:

Wide model range covering Grades 2-4

Choice of case sizes to match battery requirements

High efficiency circuit design ensures economic products

Simple cable management using designed-in features

Engineer Friendly for easy installation and maintenance

High Reliability

Full Product Warranty

Features:

- PD6662:2004 / EN50131 TYPE A COMPLIANT
- EN50131-1 ENVIRONMENTAL CLASS II
- FULL RATED CURRENT TO LOAD
- BATTERY FAULT STATUS MONITORING
- HIGH EFFICIENCY CIRCUIT DESIGN
- COMPREHENSIVE OUTPUT VOLTAGE AND CURRENT PROTECTION
- BATTERY DEEP DISCHARGE PROTECTION
- LID AND REAR TAMPERS
- ADDITIONAL SPACE TO FIT OEM MODULES
- ANTI-DRILL DETECTION (GRADE 4 ONLY)

Power Supply Units
you can rely on

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INTRUDER



CCTV



ACCESS
CONTROL



FIRE



'EN' Range

Specifications

The EN range of power supplies have been specifically designed to provide a comprehensive and flexible range of options for installation engineers designing intruder systems from Grades 2 to 4 under PD6662: 2004 / EN50131, with built in quality and reliability.

A range of box sizes is available to suit your choice of battery. Communication devices can be accommodated in a 'B' size box when used with a 7 or 8Ah battery.

Features Summary

- **Comprehensive Battery Management:**
 - Battery Deep Discharge Protection.
 - Intelligent battery fault detection on Grade 3 and 4.
 - Reverse battery connection protection.
 - High efficiency 3 stage battery charging on larger battery models.
 - Double battery models have separate battery charging and monitoring circuits.
- **Fully EN50131 Compliant Fault Outputs:**
 - EPS Fault (Mains Fault)
 - APS Fault (Battery Fault)
 - PSU Fault
- **High security tampers:**
 - Lid and rear tamper Grade 3, lid tamper Grade 2.
 - Anti-drill on Grade 4 models.
- **Robust circuit protection:**
 - Output overload and short circuit protection.
 - Auto reset electronic output & battery fuses.
 - Transformer thermal fuse.
 - Mains input fuse.
 - Mains transient suppression.
 - Mains brownout filter.
 - EN60950:2000, EN61000-6-3:2001, EN50130-4:1998 compliant.

Grade 2, 3, 4 EN Model	Battery Options	Power Supply Maximum Output Current	PD6662 / EN50131-1:2004 Maximum Output - 12 Hours	Case Size
07	1 x 7 or 8Ah	1.0A	580 or 660mA	A or B
17	1 x 17 or 18Ah	1.5A	1.4 or 1.5A	B or C
34	2 x 17 or 18Ah	3.0A	2.8 or 3.0A	R

PD6662:2004 requires 12 hour standby for Grade 2 systems and 24 hours for Grade 3 systems. EN50131-1:2004 allows 12 hour standby for Grade 3 systems when EPS fault (mains failure) is monitored by an ARC

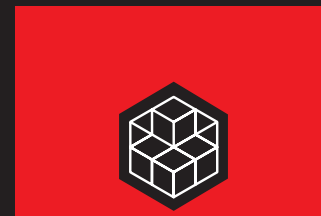
Box Size A	200mm high x 230mm wide x 80mm deep - Hinged lid
Box Size B	330mm high x 355mm wide x 80mm deep - Clam lid
Box Size C	275mm high x 330mm wide x 80mm deep - Hinged lid
Box Size R	410mm high x 390mm wide x 90mm deep - Clam lid

All enclosures are 1.2mm powder coated steel, white. Box sizes approximate.

Product code for a given power supply is made up of 3 elements:

1. Grade
2. Battery Capacity
3. Box Size

Example: For a grade 3 power supply with 17Ah battery capacity in case size 'C'. The product code will be EN3-17-C



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