powerbox
Powering Progress

SecurBox: Integrated Security Cabinet
Pre-wired, pre-configured solution

FEATURES

- **Pre-configured and interconnected hardware**
  Simplifies setup and reduces installation time.

- **High-Performance Battery Charger**
  12Vdc or 24Vdc output with 240VAC input, available in 3.5A and 7A current ratings for versatile power needs.

- **Advanced Power Distribution Module (PDM)**
  Individually fused outputs with status LEDs, offering selectable fire power or standard modes for enhanced safety and operational flexibility.

- **Voltmeter**
  Conveniently located behind the front cover

  avoiding any intrusion while providing quick and simple system voltage.

- **Tamper-Proof Security**
  Dual tamper switches provide an additional layer of protection against unauthorised access.

- **Easy Installation with IEC Mains Plug**
  Ensures simple and efficient connection to mains power.

- **Comprehensive Alarm Monitoring**
  Includes mains fail and low battery alarms for uninterrupted system performance.

- **Battery Options**
  Designed to accommodate various battery configurations for user convenience.

- **Integrated GPO Facility**
  Supports up to two General Purpose Outlets for added adaptability.

- **Robust Wall-Mounted Enclosure**
  Ventilated, durable design with side and rear cable access, ensuring efficient heat dissipation and streamlined wiring.

DESCRIPTION

The Powerbox SecurBox is a wall-mounted enclosure for commercial and industrial security applications, offering reliable 12Vdc & 24Vdc power with battery backup. It includes the PBB2S Battery Charger with advanced protections and status indicators while the digital voltmeter provides quick & simple indication of system voltage.

The pre-configured Power Distribution Module comes in two versions: one distribution module with self-healing fuses and the other distribution module combines Fire Trip Alarm Monitoring, ensuring safety and system reliability.

SELECTION TABLE

Model	PBSC-123-8FRM	PBSC-127-8FRM	PBSC-243-8FRM	PBSC-123-10DM	PBSC-127-10DM	PBSC-127-20DM
Wall Mounted Ventilated Enclosure	Yes	Yes	Yes	Yes	Yes	Yes
Pre-Configured	Mounting & wiring	Mounting & wiring	Mounting & wiring	Mounting & wiring	Mounting & wiring	Mounting & wiring
Battery Charger	12Vdc | 3.5A	12Vdc | 7A	24Vdc | 3.5A	12Vdc | 3.5A	12Vdc | 7A	12Vdc | 7A
Power Distribution Module	8 way selectable outputs. Fire or standard power	8 way selectable outputs. Fire or standard power	8 way selectable outputs. Fire or standard power	10 way self-healing fuses	10 way self-healing fuses	2 x 10 way self-healing fuses
Voltage Meter	Yes	Yes	Yes	Yes	Yes	Yes
Tamper Proof Switches	x2 (cover & back box)	x2 (cover & back box)	x2 (cover & back box)	x2 (cover & back box)	x2 (cover & back box)	x2 (cover & back box)
GPO Cut-Outs	x2	x2	x2	x2	x2	x2
IEC Mains Plug & Lead	2m	2m	2m	2m	2m	2m
Internal Wiring	Battery charger to power distribution module & battery*	Battery charger to power distribution module & battery*	Battery charger to power distribution module & battery*	Battery charger to power distribution module & battery*	Battery charger to power distribution module & battery*	Battery charger to power distribution module & battery*

*Battery excluded

SecurBox: Integrated Security Cabinet
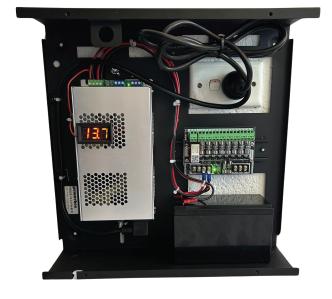Pre-wired, pre-configured solution

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SPECIFICATIONS

ENCLOSURE

Dimensions	375 x 362 x 111.5mm
Tamper Switches	x2 included (cover and back box)
Wall Mount	4 x wall mounting points
Ventilated Enclosure	Yes
Battery Configurations	1 x 12V 7Ah (150 x 65 x 101mm) 1 x 12V 12Ah (155 x 98 x 101mm) 1 x 12V 17Ah (181 x 76 x 176mm) 2 x 12V 7Ah
Cable Access	Side & rear
Mains Connection	IEC mains plug & lead (2m)
GPO's	Facility for 2 x GPO's

BATTERY CHARGER SYSTEM

Nominal Voltage	240Vac
Output Voltage	13.8 / 27.6 Vdc
Output Current	3.5A
Mains/DC OK	Green LED: ON = OK
Battery OK	Green LED
Battery Fuse Fail	Red LED: ON = FAIL

FIRE TRIP POWER DISTRIBUTION MODULE

Input Voltage Range	0-28Vdc
Fire Relay Coil Voltage	12-24Vdc (or dry contact)
Max Standard Power Current	8A
Max Fire Power Current	8A
Fused Outputs	8

COMPACT POWER DISTRIBUTION MODULE

Input Voltage Range	12-28Vdc
Fire Relay Coil Voltage	12-28Vdc
Max. Standard Power Current	10A
Self-Healing Fuse Outputs	10