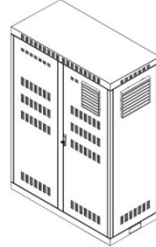
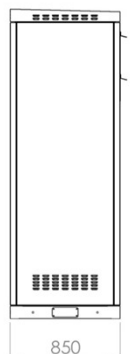
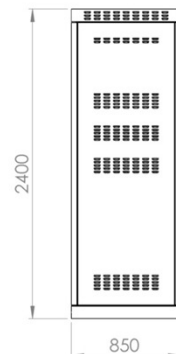
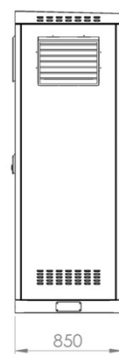
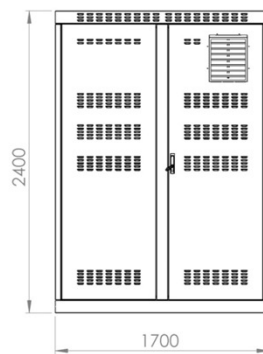
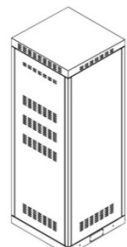


DOUBLE / SPLIT UNIT



SINGLE UNIT



Product Overview

The Modular Cabinet is a highly-versatile outdoor shelter purpose-built for housing electronic and communications equipment in a number of different configurations. The shelter provides a weather-proof environment requiring minimum maintenance whilst affording environmental and mechanical protection to the internal equipment. It is supplied as a stand-alone unit fully reticulated and prepared for onsite installation.

The 'Cabinet Range' includes a number of standard building blocks – Modules – that can be arranged in different configurations so as to cater for a variety of user requirements. Modules can be assembled in a range of configurations from small 19" rack enclosures to larger cabinets capable of housing several BTS units, backup power and auxiliary equipment.

The internal cabinet interface is also modular allowing a number of different mounting options from standard racking profiles to Shelves to user-specific equipment mountings. Furthermore a variety of cooling options are possible depending on user specifications.

Main Features:

- Onsite expansion possible by adding modules
- Customized configurations to meet user requirements
- Modular internal mounting system for versatility
- Tailored cooling options for Energy Efficiency
- Safe and Burglar-proof design
- Optional Battery Security (Vandal Cage) module
- Advanced Alarming through 'Site Controller'

Physical Specifications

Modular Split/Double Cabinet Dimensions	mm	1700(w) x 850(d) x 1200/2400(h)
Modular Single Cabinet Dimensions	mm	850(w) x 850(d) x 1200/2400 (h)
Split/Double Cabinet Weight (empty)	kg	640
Single Cabinet Weight (empty)	kg	300
Vandal Cage Weight	kg	45
Door Sealing Material		Printed Polyurethane - Continuous
IP rating	IP Class 2	55
Surface finish		Polyester Powder Coat (Low-Solar-Absorption and Anti-graffiti finish available)
Cabinet Base Material		1.6mm SS (Available in 304, 3CR12 or 430)
Locking mechanisms and fixings Material		304 stainless steel
Antennae Gland plate Material		3mm Aluminium
Power Gland plate Material		3mm Aluminium

Alarm Specifications

Alarm	Control System / Device
Intruder alarm (Door Switch)	Independent
Smoke alarm	Independent
Motion Detection	Independent
AC Phase Failure	CK 3
Mains Failure	
Nav / Aircraft Warning Light	
Battery Integrity	Rectifier
Battery Low	
Rectifier Module Failure	
Rectifier System Failure	CK25
Aircon On/Off	
High Temperature Alert	AC PDU (Relays)
Generator Running	
Utility Supply On/Off	

Cooling Specifications

Active Cooling Systems		
9 000BTU Window-Type A/C	Capacity (at 35°C Int & 35°C Amb)	9,000 BTU / 2.7 kW
	Power Consumption	880W
	Average COP	2.9
	Maximum Equipment Load	1.7 kW
12 000BTU Window-Type A/C	Capacity (at 35°C Int & 35°C Amb)	12,000 BTU / 3.45 kW
	Power Consumption	1,160W
	Average COP	2.9
	Maximum Equipment Load	2.5 kW
1.5kW Panel mount A/C	Capacity (at 35°C Int & 35°C Amb)	1.568kW
	Power Consumption	0.736W
	Average COP	2.1
Passive Cooling Systems		
Negative Pressure Free-Air Cooling	Fan Type	48VDC Centrifugal
	Passive Cooling Flow Rate	1250 m ³ /h
	Passive Cooling Capacity at 10°C (ΔT)	4.2 kW
	Maximum Power Consumption of Fan	160 W
Positive Pressure Free-Air Cooling	Fan Type	48VDC Centrifugal
	Passive Cooling Flow Rate	800 m ³ /h
	Passive Cooling Capacity at 10°C (ΔT)	2.7 kW
	Maximum Power Consumption of Fan	140 W
Air Filtration Specification		
Needelfelt Deep Bag Filter	Micron Rating	100μ
	Composition	Polyester
	Air Permeability	65-115 m ³ /m ² /min
	Predicted Filter Maintenance Period	6 months

Integrated Solutions

Configuration Examples



Outdoor Site Build