



an EnerSys Company

# Outdoor Equipment Cabinets

Engineered for all Environments



When locating equipment in an outdoor environment, selecting the right enclosure can make all the difference in maintaining the integrity and ensuring the reliability of sensitive equipment.

From our vast industry experience we understand the necessities required to withstand varying environments and provide tailored solutions specific to your project requirements.

We have designed cabinets to be used as single bays or interconnecting to provide flexibility for different applications.

## Our range of Cabinets include the following options and features:

- ✓ Standard range of equipment & battery cabinets
- ✓ Aluminium & stainless steel variations
- ✓ Bespoke designs to prototyping
- ✓ 3D design validation modelling
- ✓ Vast colour range & special finishes
- ✓ Tamper proof concealed hinges
- ✓ High security in outdoor environment
- ✓ Twin skin solar shields
- ✓ 240V AC or 48V DC cooling & control options
- ✓ Fan cooling / Air-conditioned / Heat exchanger & all combinations of Air-Conditioner and Fan or HEX





# Multi-Bay Cabinets

## Overview

The Multi-Bay Outdoor Equipment Cabinets are available in 1, 2, 3, 4 or 5 bay configurations. The cabinet is designed for the purpose of mounting 19" ANSI equipment in an outdoor environment. Solar shielding, forced air ventilation and security hinges all help to enhance and protect the cabinet whilst ensuring reliability of the equipment within.

All bays are identical in construction and dimension and the inside panels are lined with 15mm Thermobreak™ insulation to reduce heat transfer through the inner walls of the cabinet. The bays are assembled on a plinth that provides a solid footing for the cabinet and adds strength to the Multi-Bay format. The internal chambers can be segregated if required to enable separate management of the thermal conditions between bays.

ICS can provide a custom configuration with consideration on the number of bays required and the environmental location. With fan cooling, the air is drawn in through a G4 rated filter mounted low on the door, the air moves up through the bay and exhausts into the roof canopy and down through the wall cavity further reducing the effect of solar radiation on the cabinet.

## Features

- ✓ Mains Distribution Board
- ✓ Twin skin solar shielding
- ✓ Padlock or key lockable swing handle
- ✓ 3-point locking mechanism for maximum security
- ✓ Internal thermal walls to enable zone cooling
- ✓ 15mm Thermobreak™ insulation
- ✓ Fresh air fan cooling (open-loop)
- ✓ Choice of 100mm or 200mm Heavy Duty hot dip galvanised plinths with cable entry access panels
- ✓ Meter boxes for mains connection
- ✓ PLC environmental control/alarm systems
- ✓ Custom design and construction available
- ✓ External side and rear panels vented top and bottom
- ✓ Range of Cable Entry Plate options

## Options

- Air Conditioner (Closed-Loop)
- Heat Exchanger (Closed-Loop)





# Modular Cabinets

## Overview

Our modular range of outdoor equipment cabinets have been designed with flexibility in mind, ensuring a scalable solution for future upgrades or expansion. Designed to be used as a single bay or interconnecting to provide flexible multi-cabinet combinations to suit your various applications.

Constructed from aluminium with a powder-coated finish for durability, combined with concealed security hinges and locks, provides the ultimate protection in outdoor locations yet remains lightweight for easy placement on site.

These cabinets are available in a standard range for immediate purchase.

## Features

- ✓ Multi cabinet configurations
- ✓ Twin skin solar shielding
- ✓ Padlock or key lockable swing handle
- ✓ 4-point locking mechanism for maximum security
- ✓ Internal cable management
- ✓ Rack Rails & Frames
- ✓ 3 Standard Sizes - 20RU, 34RU & 42RU
- ✓ Concealed hinges and lifting hooks
- ✓ Hot dip galvanised steel plinth with access covers
- ✓ Fan cooling / Air-conditioned / Heat exchanger and all combinations of Air-Conditioner and Fan or HEX
- ✓ Custom design and construction available

## Options

- 15mm Thermobreak™ insulation
- PLC environmental control / alarm systems
- Shelving Systems







# Low Profile Trailer Cabinets

## Overview

Our ICS Low Profile Cabinets can be assembled into 1, 2 or 3 bay configurations. Manufactured with adjustable 19" rack rails and designed to maintain a secure and stable environment, all contribute to the cabinet's suitability outdoors.

At 900mm in height, the cabinets are suitable for internal and external situations where a low profile is required and are adaptable for mobile applications. Once constructed, the bays can be mounted to any base frame, trailer, or assembled onto an optional plinth to provide a solid footing for the cabinet and adding extra strength for ground mount conditions.

## Features

- ✓ Twin skin solar shielding
- ✓ Padlock or key lockable swing handle
- ✓ 3-point locking mechanism for maximum security
- ✓ Scupper Vents on the air inlets are closed during transport to prevent dust ingress
- ✓ Internal rack channels manufactured from pre-galvanised steel sheet
- ✓ Fan cooling / Air-conditioned / Heat exchanger and all combinations of Air-Conditioner and Fan or HEX
- ✓ Custom design and construction available

## Options

- 1, 2 or 3 bay plinth
- 15mm Thermobreak™ insulation
- Battery shelves
- Trailer mount kit







# Stand-Alone Cabinets

## Overview

Australian designed and manufactured. The Stand alone cabinets are manufactured from aluminium sheet and are designed for the purpose of mounting equipment in an outdoor environment. Forced air ventilation via a hood mounted fan, solar shielding, high security hinges and locks all contribute to the cabinet's suitability outdoors. 19" ANSI equipment rack rails of 16RU, 20RU or 32RU are included inside the cabinet.

The overall dimensions of the cabinet are 680mm wide x 620mm deep x varying heights. The 200mm plinth is made of hot dipped galvanised steel.

The cabinet consists of an inner chamber to house the customer equipment. Attached to this inner chamber are solar shields on the top and all sides. These solar shields effectively create a dual skin which greatly reduces the effect of solar radiation on the surface on the cabinet.

## Features

- ✓ Durable powder coated aluminium construction
- ✓ Twin skin solar shielding
- ✓ Padlock or key lockable swing handle
- ✓ 3-point locking mechanism for maximum security
- ✓ Internal cable management
- ✓ Rack Rails
- ✓ Rack Frames
- ✓ Concealed hinges and lifting hooks
- ✓ Hot dip galvanised steel plinth with access covers
- ✓ Fan cooling / Air-conditioned / Heat exchanger and all combinations of Air-Conditioner and Fan or HEX
- ✓ Available in standard range of sizes
- ✓ Custom design for internal equipment mounting

## Options

- 15mm Thermobreak™ insulation
- PLC environmental control / alarm systems
- Shelving Systems







# Pole-Mount Cabinets

## Overview

Locating equipment in a pole mounted cabinet provides obvious advantages for cable management and protection from vandalism and other unwanted interference.

The ICS Pole Mount cabinet solution is much more than a cabinet, as it incorporates a systematic installation process using a pole mount frame to minimise risk to the installer, and there is also an integrated ladder support to cater for the technicians involved in equipment maintenance and upgrade works in the future.

The cabinet is of heavy duty construction with both front and rear doors, and all air-vents are vermin protected.

## Features

- ✓ 11RU twin skin cabinet
- ✓ Internal rack channels manufactured from pre-galvanised steel sheet
- ✓ Galvanised steel construction
- ✓ Provision for rack mounted distribution panel
- ✓ Integrated ladder support for safety
- ✓ Hot dip galvanised pole mounting frame
- ✓ Separate Pole Mount support for easy installation
- ✓ 2 or 3-point locking system
- ✓ Concealed hinges with door stays
- ✓ Ventilation - Inlet vents top and bottom
- ✓ Custom design and construction available

## Options

- 15mm Thermobreak™ insulation
- Aluminium or stainless steel fabrication
- Fresh Air Fan Cooling (Open-Loop)
- Air Conditioner (Closed-Loop)







## ICS Bundled Solutions

With over 6000 specialist enclosures supplied for telecommunication, mining, railway, switchrooms, fibre networks, remote monitoring, emergency services and more, all purpose designed and built by ICS.



Consultation



Design



Prototype & Engineer



Manufacture



Construct



Assemble



Fit-Out



QA & Testing



Site Delivery



Site Works & Install



*“ Our vision is to be the recognised Shelter Specialist, providing equipment enclosures, associated products and solutions with professional engineering and field services Australia wide and into selected international markets.”*

# Additional Services and Support

Our Services Division can provide total care and support for your Outdoor Equipment Cabinets including:

- Site design, civil & electrical engineering
- Deployment, integration and decommissioning services
- Fleet management, including warehousing and logistics
- Planned & emergency services, maintenance & upgrade works

At ICS, we undertake a consultative approach towards your project. Whether you require one or all of our services offered, we can provide you with cost effective solutions to deliver consistent results.

Contact us today



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