

# Outdoor Cabinets

**Be  
stronger  
with this!**

Only impacts?  
Etap outdoor type  
cabinets have the highest  
protection against  
electromagnetic radiation,  
overheat, cold, rain, snow,  
winds and earthquake.



# GuardLine

## SINGLE AND DOUBLE SKIN OUTDOOR CABINETS HIGH PROTECTION FOR TECHNOLOGICAL INVESTMENTS, EVERYWHERE;

Wide application Range such as Telecommunication Networks, Field Surveillance, Automation Systems, Train Control System, Motorway Traffic Signalization and Surveillance systems, Fiber Termination, Mobile Electronic Integration Systems, Cellular Base Stations, Fixed and Mobile Communication Networks, Car park and Lightning, mission critical Aviation ground services, etc..

- 7U, to 24U height, 600mm width, 450 / 600mm in depth as standard
- Plinth, Wall, Pole mounting options
- Single or Double Skin
- All sizes manufactured in accordance with the standard IEC 60297
- Other Size customizations available as per the customer requirements.

## HIGH QUALITY, ROBUST AND DURABLE ANTI-VANDALISM CONSTRUCTION;

Against Physical Damage, Impacts, Earthquakes, Theft

- Premium materials are providing necessary tightness and protection against contact, foreign agents and water in accordance with the standard EN 61587-1 / 6.4 IEC 60529.
- Galvanized sheet steel DX51D (1.0226) +Z 275 as a standard. Stainless Steel and Aluminum options available. Single or Double Skin Options for optimization of protection, weight and cost.
- 2 or 3 point locking

## ACTIVE / PASSIVE VENTILATION SYSTEM & HIGH PERFORMANCE THERMAL CONTROL;

For moderate Internal temperature affected by Internal & External Heat, UV Radiation, EM Waves.

- Partially louvered doors equipped with filter type fresh air inlets and hot air outlets for passive ventilation.
- Fire resistant Monoblock structure.
- Light Grey (RAL7035) epoxy polyester electrostatic powder painting, fire retardant.

## IP54, IP55 AND IP65 CLASS PROTECTION;

Against Dust, Corrosive Risks, Humidity, Rain, Snow, Sea Water.

- Dust and Water penetration blocked due to protection grades IP54, IP55 and IP65 in accordance with the standard EN60529.
- IP54 Fan & Filter enabled Protection Class
- Polyurethane casting door gaskets for IP65 protection level.



**PLINTH type**



**Wall type**



**POLE type**

# IP55 Outdoor Enclosures

## Tested and Certified Compliances

- ETS 300 019-1-4- Rain and sun radiation, -40C+45C  
Plus solar radiation at up to 95% humidity.
- EN 300 386-2- Electromagnetic compatibility and  
radio spectrum matters (EMC / ERM)
- ETS 300-019-1-2 CLASS 2.3 - Transportation
- ETS 300 019-1-1 CLASS 1.2 - Storage
- EN 60950 Safety
- IEC 62208-9.6-Protection against external  
mechanical impacts
- EN60529-Dust and waterproof-IP 55 protection  
class

### IP55 Outdoor enclosures

Double panelled, robust and sturdy aluminium external framework; New Estap designed outdoor enclosures, provide maximum protection against environmental impact, vandalism, EMC and extreme thermal conditions. Use this outdoor cabinet whenever maximum protection is a must.



### Protection against environmental influences

New Estap designed outdoor enclosures protect valuable and sensitive equipment, against rain, snow, wind, sunshine or earthquakes. Estap products effectively protect your technology from environmental influences, being optimally corrosion resistance: Your investment is safeguarded, now and in the future.

### Protection against electromagnetic interference (EMI)

New Estap designed enclosures are effective against electromagnetic emissions that prevent the penetration of disruptive impacts and simultaneously protect surrounds from emitted radiation.

### Protection against thermal extremes

Hot or cold, new Estap designed enclosures maintain equipment at its optimum operating temperature. Available with special paint to enhance heat radiation and reflection.

### Protection against vandalism, forcible entry and damage

No way in. New Estap designed enclosures are hard to break in to thanks to a robust construction and quality material with concealed hinges. Special coating ensure anti-graffiti, anti-poster.

## STANDARDS and COMPATIBILITY

- EN 60529- IP 65: Dust and tightness
  - EN 60529-IP 55: Dust and tightness
  - EN 60529-IP 54: Dust and tightness
  - EN 61587-1:2012: Mechanical constructions and cabinets for electronic equipment
  - IEC 297-1: 19" size
  - IEC 297-2: All cabinet sizes
  - ISO 9001:2008 - Quality Management System
  - ISO 14001:2004 - Environmental Management •
- System - Manufacture in compatible with the RoHS Directive

