IP55 Outdoor enclosures

“Why choose new Estap designed IP 55 Outdoor enclosures ”

- Enhanced, robust and solid profile technology
- High performance thermal control thanks to the natural ventilation system
- Anti - vandalism designs
- Dimensions to meet your needs
- Customer - specific solutions for installation and expansion

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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 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-grafitti, anti-poster.

Protection against environmental influences

New Estap designed outdoor enclosures protects 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 maintains equipment at its optimum operating temperature. Available with special paint to enhance heat radiation and reflection.

FEATURES

Outside size: Outdoor cabinets production depend on the project requirement for design and dimensions, using either plinth in the ground or installation on the quide plate.

Doors: Open 180 degree with adjustable locking device and three point locking system on each front, side and rear doors.

Colour & Finish: All aluminium parts are chromated and powder coated with RAL 7035 or RAL 7032. Inner parts are zinc coated sheet steel or stainless steel dependant on project requirements. Special anti-grafitti, anti-poster and heat radiation enchancement coatings are optional.

Protection Class: IP55 dust and waterproof.

Cable Installation: Unless specified, from bottom.

Cooling System: Possible solutions can be mounted on the front door, side panels or roof.
Fan with filter
Heat Exchanger
Air conditioner

Construction: Modular construction with external profile is robust and sturdy.
Special design for fixing nuts give a wide construction range. Doors, side panels and top are all double panelled, double skin and vented.
Thanks to modular structure of cabinet, compartments can be created for all projects

Materials and Strandards: External framework, doors, top and so on... Aluminium, inner parts galvanised sheet steel or stainless steel. Flame retardant.
Guaranted long term wheather protection.

Aluminium profile: TS EN 755-9
Aluminium sheet: EN AWS5754 H22, TS EN 485-1, TS EN 485-2, TS EN 485-4
Stainless steel: DIN 17455
Standard Coating: ISO 9001, ISO2178, ISO2813, ISO6272, ISO8130-5, ISO8130-3 RAL 7035

Pre-treatment on extrusure: Chromate to DIN50939
Pre-treatement on panel sheets: Cleaned with Meta-Clean HP hydrocarbon compound specially for aluminium.
Coating thickness: 60-80 micron

Grounding: Base of doors are unpainted grounding on each door of the cabinet M6 press nut should be inserted on the lower side near hinge.
Please see the accessories for cabinet grounding busbar and potential equalization bars.

Hooks: 4 eyebolts shall be connected to the cabinet through four angles on four corners.
Hinges: Anti-vandal recessed and full length of door for robust structure.

Plinth: As standard produced according to the cabinet dimensions with H=100 mm. Material is galvanized sheet steel of 3 mm thickness. Request can be customized to any dimensions and material whether galvanized sheet steel or stainless steel.

Guide Plate: (Optional) For concrete base construction it is usefull for fixing and mounting the cabinet to the concrete base easily with quide plate; M12 anchors.

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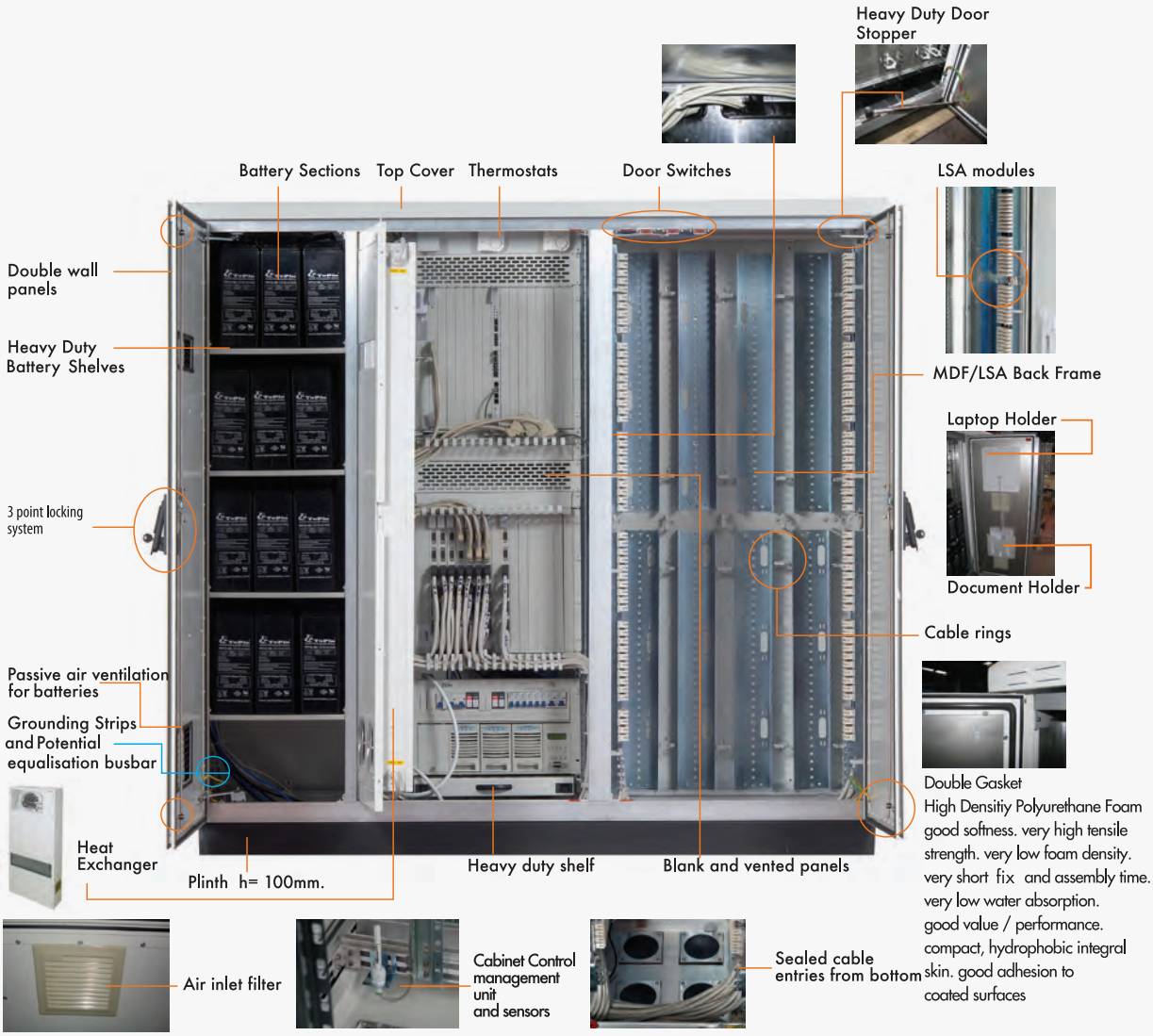
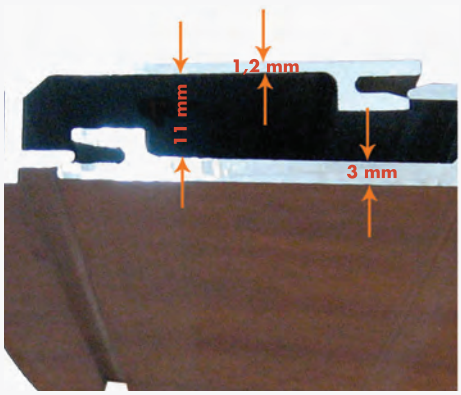
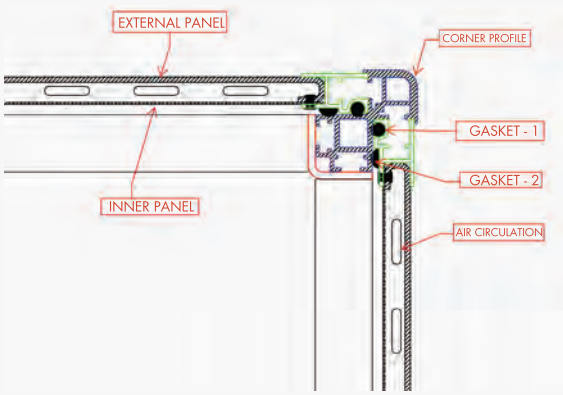
APPLICATIONS

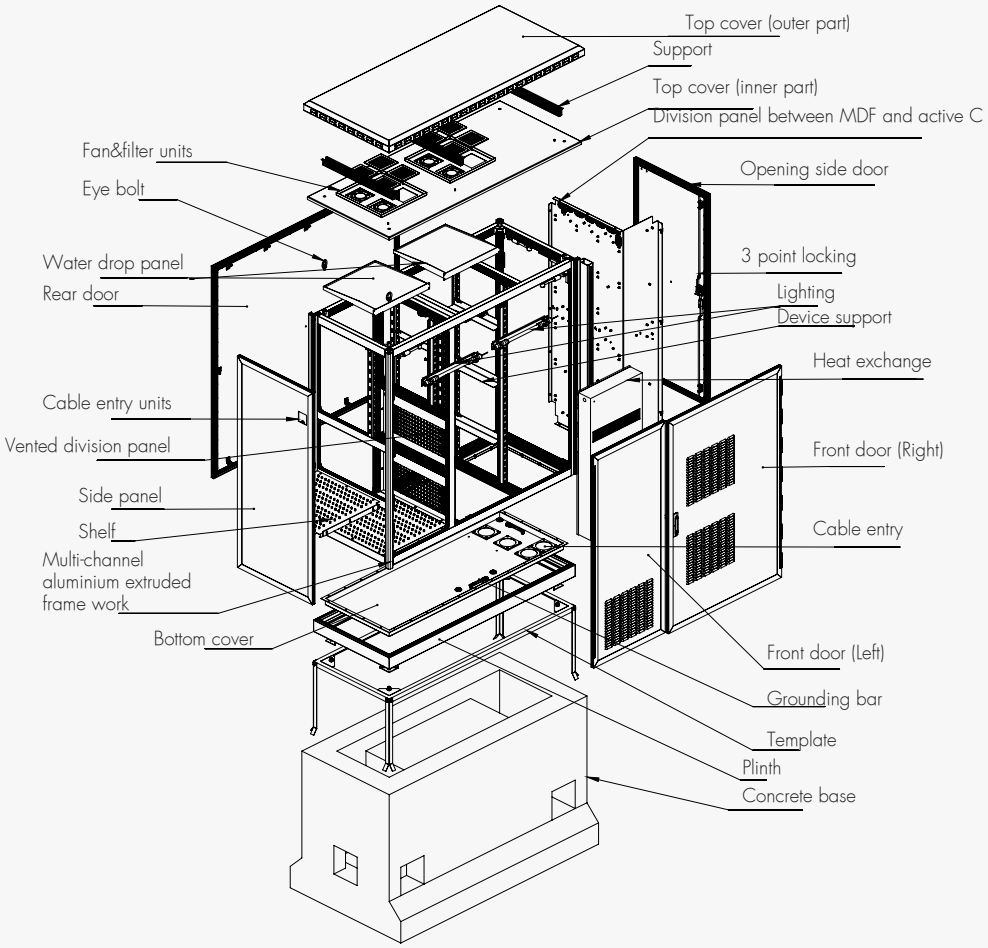




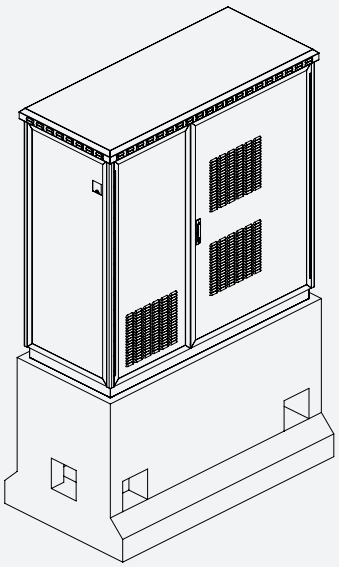
Detail of double wal panelled



Detail A



Exploded view



Iso view

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New: why aluminium?

- 100 percent recyclable
- Conducts twice as much heat a steel
- Excellent conductor of power and heat.
- Impressively high resistance to corrosion
- Low specific weight.

TELECOMMUNICATION

New Estap designed outdoor enclosures protect your technological investments. Cool and safe. In all fields and applications, Estap brings you closer to your customer. Voice, mobile telephony and fixed line networks, data, fiber, internet; DSL, IPDSL, 3G, CATV, LAN, WAN, MAN... and all the latest telecommunication solutions and system.

TRAFFIC

New Estap designed outdoor enclosures secure your valuable electronics wherever they're located.
Control, Scada, data transfer, automation.
Railway Traffic Control
Shipping
Road Traffic
Air Traffic

ENERGY

New Estap designed outdoor enclosures protects against contact with mid and low voltage systems.

INDUSTRY

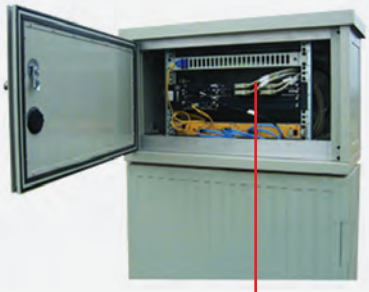
New Estap designed outdoor enclosures are available all dimensions to the highest protection standard. Multi-purpose requirements, automation, distribution, control or housing for valued devices, all need Estap outdoor enclosures.

MILITARY

New Estap designed outdoor enclosures are rugged, antivandal and suitable for all hard conditions.
Perfect, safe solutions for housing valued and important devices.

Pizza Box solutions

Existing street cabinet on road



Remote rectifier and ADSL pizza box devices

A small outdoor enclosures easily mounted on telecom street cabinets for ADSL solutions

Billboard solutions

Lighted billboard front & rear doors
48V-DC max: 100 mA LED light,
directly feed on telephone cable

Existing street cabinet on road

Remote rectifier and ADSL pizza box devices

Easy mounting spicific designed outdoor enclosure is put over existing street cabinet

LOCK OPTIONS

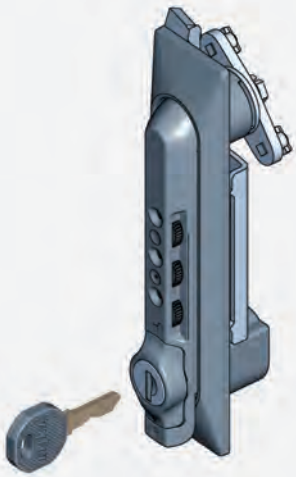
004
Stand-alone
module

001
Proximity
module

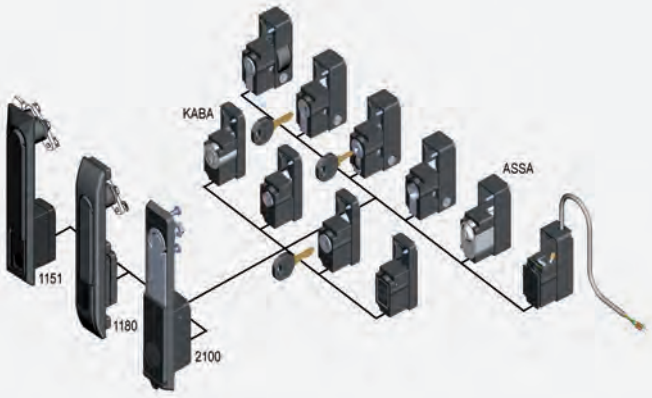
002
Keypad
module

003
GSM
module

005
Mecanical locks
with digits



006
Standard
Estap lock



007 Type 1151 KABA & ASSA compatibility

008 Type 1180 KABA & ASSA compatibility

009 Type 2100 KABA & ASSA compatibility