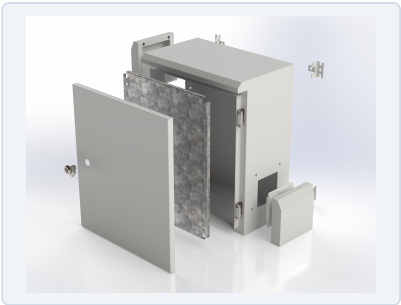


WATERPROOF VENTILATED ENCLOSURE for Network & Electrical Systems

Reliable Protection for Critical Infrastructure
Engineered for Durability, Safety & Professional Installations



 IP65 Protection	 1.5mm Sheet Steel	 Universal Lock System	 Fan & Filter Cooling	 Wall & Pole Mount	 IK10 Impact Rated
---	---	---	--	---	---

High-quality steel enclosures designed to combine durability with smart, practical design to meet modern project needs. Built from robust steel, our enclosures shield sensitive systems from dust, impact, and harsh environments – with secure installation, easy maintenance, and reliable protection for technology infrastructure across all industries.

Features

Construction & Finish

- Steel structure with electrostatic powder coating
- Enclosure body and door made from 1.5 mm sheet steel
- Available in Pebble Grey (RAL 7032), Black, or Stainless Steel
- Optional anti-corrosion coating (C5) for harsh environments
- Includes galvanized steel mounting plate (chassis)

Security & Access

- Universal lock system with tamper-resistant key-lock mechanism
- Optional transparent door for visual status monitoring
- Robust continuous hinge system on all models
- Up to 3 locking points on larger models for enhanced security

Thermal Management

- Active cooling: fan + filter option for heat-sensitive equipment
- Passive ventilation louvers (side-mounted) for natural airflow
- Optional AC unit integration for extreme environments
- Bottom cable entry with gland plate for IP-rated sealing

Mounting Options

- Fully wall-mountable (wall mounting kit included)
- Pole mounting brackets available for outdoor installations
- Rack mount version (12U/9U/6U) with standard EIA rail spacing
- Suitable for pole, wall, or surface mounting in harsh conditions

Applications

- Outdoor network and telecommunication cabinets
- CCTV and IP surveillance infrastructure enclosures
- Smart city street cabinets and traffic control systems
- Industrial automation control panels
- Electrical distribution and protection panels
- IoT and LoRaWAN node enclosures
- Power supply and UPS battery housing
- Remote outdoor communication nodes

Avalbae Variants

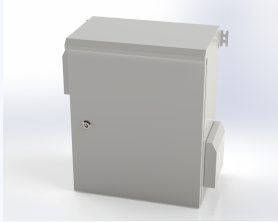
Standard – Pebble Grey RAL 7032 – Electrostatic powder coating
Optional Finish Custom RAL color finishes available as an option.
Stainless Steel (suffix: -SS) AISI 304 / 316L – Brushed finish – IP65+

Ratings

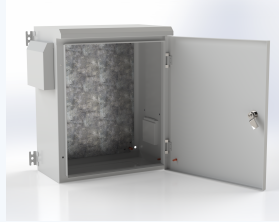
IP65 Dust & Splash Protection	IK10 Impact Resistance
C5 Anti-Corrosion (Optional)	RAL Standard Colour Certified

Wall Mount Enclosure

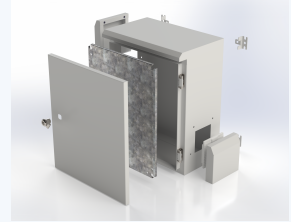
PL403023 - PL504023 - PL604025 Standard - Pebble Grey / Black (RAL 7035) Optional Custom RAL Colors



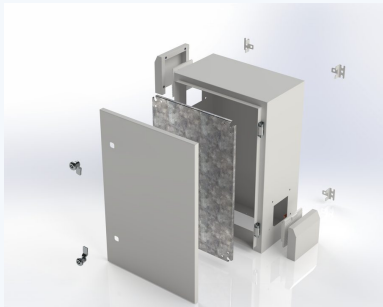
Exterior — Closed & Locked



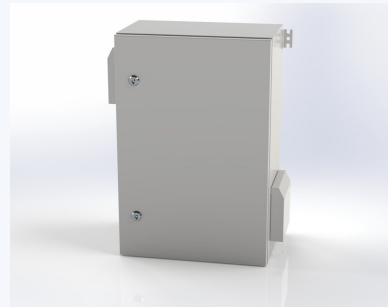
Interior View — Open Door



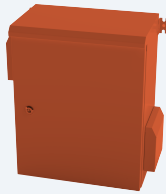
Exploded View — Components



Interior — Open Door



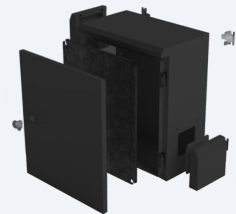
Larger Format — Closed



Exterior — Closed & Locked



Interior View — Open Door



Exploded View — Components

AVAILABLE FINISHES: Standard Grey (RAL 7035)

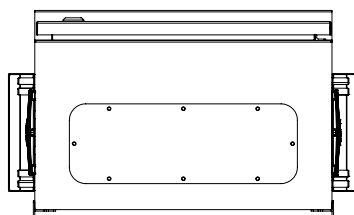
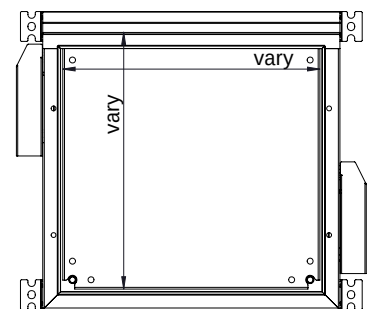
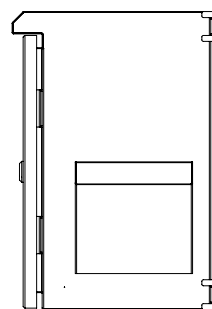
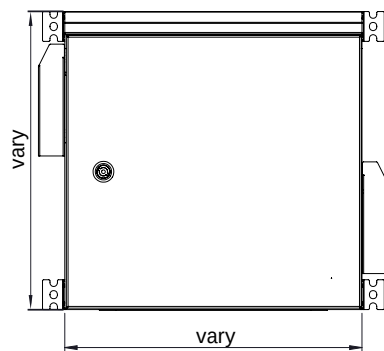
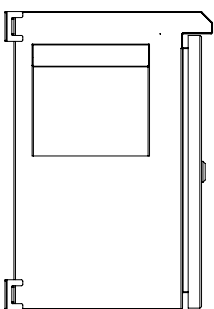
Orange OR (RAL 2004) | Red RD (RAL 3020) | Stainless Steel SS

Model Structure: Size Code + Suffix

Example: PL504023-B = 400W × 500H × 230D mm, Black finish

PL604025-SS = 400W × 600H × 250D mm, Stainless Steel

PLAN



Enclosure.

Material : Glvanized steel
Body thickness 1.2mm
Door thickness 1.5mm
Surface treatment : RAL 7035
Electrostatic painting
80-120 Micron



SS Medium – Exterior View



SS Large – Exterior View



SS Interior – Open Door - Front View



SS Interior – Open Door - Angle View

Key Features

- Suitable for desert areas or areas with high solar radiation.
- Protected against dust, sand and inclement weather.
- Doesn't require refrigeration nor ventilation.
- Reduces by up to 90% of direct solar radiation
- Enclosure protection rated IP66 against dust and rain, etc.
- Free maintenance.

Options

- Possibility of two doors.
- Three materials:
 - Powder-coated galvanized steel (RAL 7035).
 - Stainless steel AISI 304 or AISI 316L for harsh environments.
- Wide range of accessories, plinth, Wall supports, roofs, etc.
- Custom-built solutions tailored to your specific requirements.
- Lockable door with key for enhanced security.
- Thermal analysis available upon request.

STAINLESS STEEL SPEC HIGHLIGHTS

304

Standard Grade

316L

Marine Grade Option

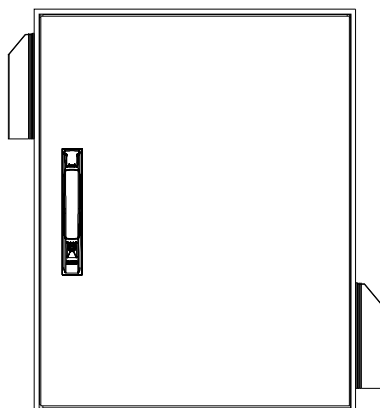
IP66

Ingress Protection

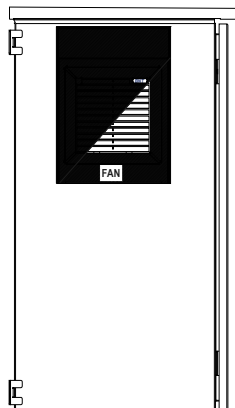
IK10

Impact Resistance

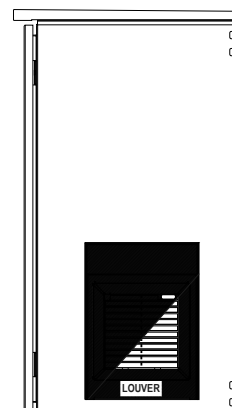
Front Door View



Left View



Right View



Front Door (Left Side: Fan Right Side: Louver)

Selection Guide-WALL Mount

Size Code	W (mm)	H (mm)	D (mm)	Locks	Gland
PL202015	200	200	150	1	0
PL252515	250	250	150	1	A
PL302015	200	300	150	1	A
PL302515	250	300	150	1	B
PL303015	300	300	150	1	B
PL403015	300	400	150	1	B
PL304015	400	300	150	1	B
PL204015	400	200	150	1	B
PL305015	500	300	150	1	B
PL405015	500	400	150	1	B
PL505015	500	500	150	1	B
PL605015	500	600	150	2	B
PL506015	600	500	150	2	B
PL606015	600	600	150	2	B
PL253020	300	250	200	1	B
PL303020	300	300	200	1	B
PL403023	300	400	230	1	B
PL404023	400	400	230	1	B
PL504023	400	500	230	1	C
PL406023	400	600	230	2	C
PL505020	500	500	200	1	D
PL604025	400	600	250	2	C
PL605020	500	600	200	2	D

Size Code	W (mm)	H (mm)	D (mm)	Locks	Gland
PL606020	600	600	200	2	D
PL705030	500	700	300	2	D
PL706020	600	700	200	2	D
PL806025	600	800	250	2	D
PL806030	600	800	300	2	E
PL1006020	600	1000	200	3	D
PL1008020	800	1000	200	3	E
PL1206020	600	1200	200	3	D
PL1208020	800	1200	200	3	E
PL404025	400	400	250	1	C
PL406025	600	400	250	1	D
PL504025	400	500	250	1	C
PL505025	500	500	250	1	D
PL604025	400	600	250	2	C
PL605025	500	600	250	2	D
PL606025	600	600	250	2	D

Gland Plate Reference

0 – No gland plate
 A – 100mm gland
 B – 216mm gland
 C – 330mm gland
 D – 2× 330mm
 E – 3× gland configuration

- Wall Mounting Brackets



Heavy-duty wall mounting brackets designed for secure and stable enclosure installation on vertical surfaces.

- Earthing



Provides protection against rain and direct sunlight, helping to extend the lifespan of the enclosure and its internal components.

- Protection Hood



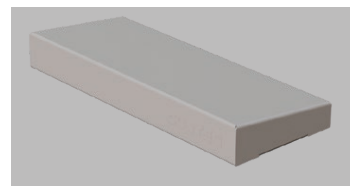
Protective hood designed to shield the enclosure from harsh environmental conditions such as rain, dust, and direct sunlight.

- Pole Mount



Robust pole mounting kit enabling reliable installation of enclosures on poles for outdoor and industrial applications.

- Rain Conbe



Provides protection against rain and direct sunlight, helping to extend the lifespan of the enclosure and its internal components.

- Cable Gland



Sealed cable gland designed to provide secure cable entry, strain relief, and protection against dust and moisture intrusion.

Ventilation Kit

For THERMAL Calculation visit www.planet.com.sa

After studying the requirements that our customers demand in ventilation issues, we included a kit of accessories consisting of the following elements:

- Filters
- Resistance heating
- thermostat

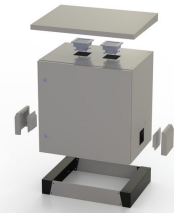




Housing Layout



Internal Layout - Rack & Ventilation Structure



Exploded View - Components & Accessories

Removable Top Cover

Rain canopy lifts off for full top access. Dual 900 x 900 mm fan/vent openings with covers.

19" Rack Rails

Full-height EIA 310 rails, 465 mm usable depth. Includes 2x adjustable horizontal cable management bars.

Side Louver Panels

Removable side panels with louvers for passive cooling. Fan mounting kit fits standard 120 mm fans.

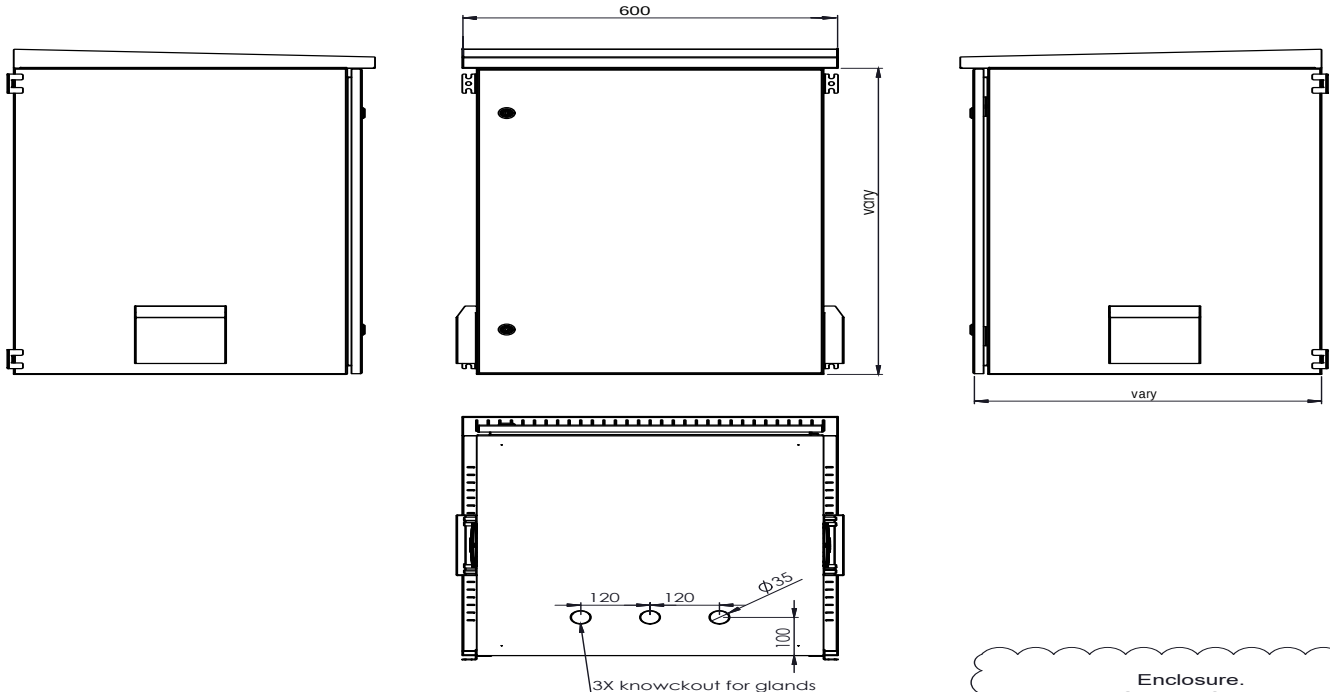
Steel Base Frame

Welded steel base with 4 adjustable feet. M10 anchor holes for concrete or surface mounting.

General Specification – Floor-Standing Series

Body Material	AISI 1020 Cold-Rolled Steel	Door Lock	2-point locking system
Sheet Thickness	1.5mm (body & door)	Hinges	Full-height concealed hinges
Surface Finish	RAL 7035 Electrostatic, 80–120µm	Top Vent Opening	2x 92 mm ventilation openings
Optional Finish	RAL 9005 Black / Stainless Steel	Side Louvers	Removable – both sides
Ingress Protection	IP65	Base Frame	Welded steel + 4 leveling feet
Impact Rating	IK 10	Anchor Points	4-point floor mounting system
19" Rack Rails	Yes – EIA 310 standard, full height	Cable Entry	Bottom gland plate
Rack Depth (usable)	450mm (with swing-out frame)	Cooling Method	Passive ventilation via side louvers with fan.

PLAN



Enclosure.
Material :AISI 1020 Cold Rolled steel
thickness 1.5mm
Surface treatment : RAL 7035
Electrostatic painting
80-120 Micron

vary
Height (mm)

600
Width (mm)

vary
Depth (mm)

1.5mm
Steel Thickness

RAL7035
Surface Finish

3 × Ø35 mm
Cable knockouts (mm)



Selection Guide-Rack Mount

MODEL CODE	RACK UNITS	W (MM)	H BODY (MM)	D (MM)
4U SERIES				
PL-4U	4U	600	300	450
6U SERIES				
PL-6U450	6U	600	450	450
PL-6U600				600
9U SERIES				
PL-9U450	9U	600	650	450
PL-9U600				600
12U SERIES				
PL-12U450	12U	600	800	450
PL-12U600				600
15U SERIES				
PL-15U450	15U	600	900	450
PL-15U600				600
18U SERIES				
PL-18U450	18U	600	1000	450
PL-18U600				600

Accessories

- Rack suport



Designed to accommodate rack oprofiles, allowing easy installation of standard equipment.

- Fan



Placing a fan at the top of the cabinet brings a continuous flow of air inside.

- Sockets



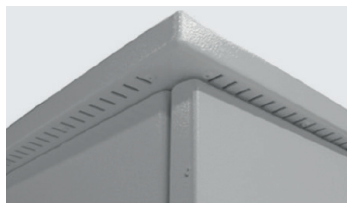
anti-vandalism socket design, prevents unauthorized access and enhances cabinet security.

- Optional Door Switch



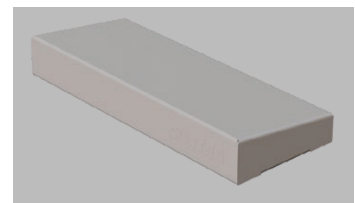
Electromechanical switch for door position detection, enabling control functions such as lighting activation or system alerts.

- Roof



Multiple roof designs available to optimize heat dissipation and airflow different directions.

- Rain Conbe



Provides protection against rain and direct sunlight, helping to extend the lifespan of the enclosure and its internal components.

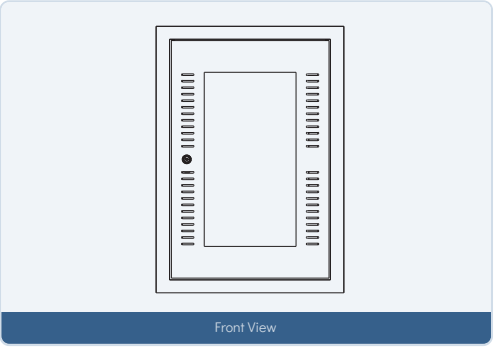
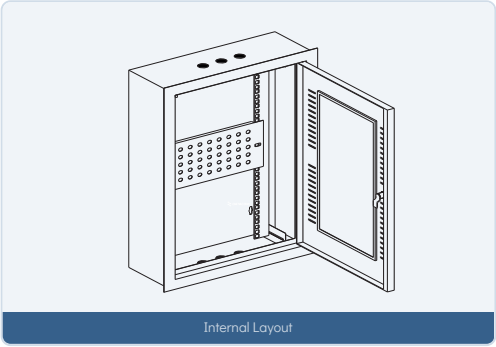
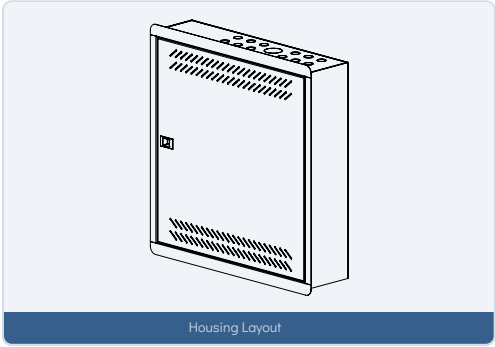
Ventlation Kit For THERMAL Calculation visit www.planet.com.sa

After studying the requirements that our customers demand in ventilation issues, we includes a kit of accessories consisting of the following elements:

- Filters
- Resistance heating
- thermostat



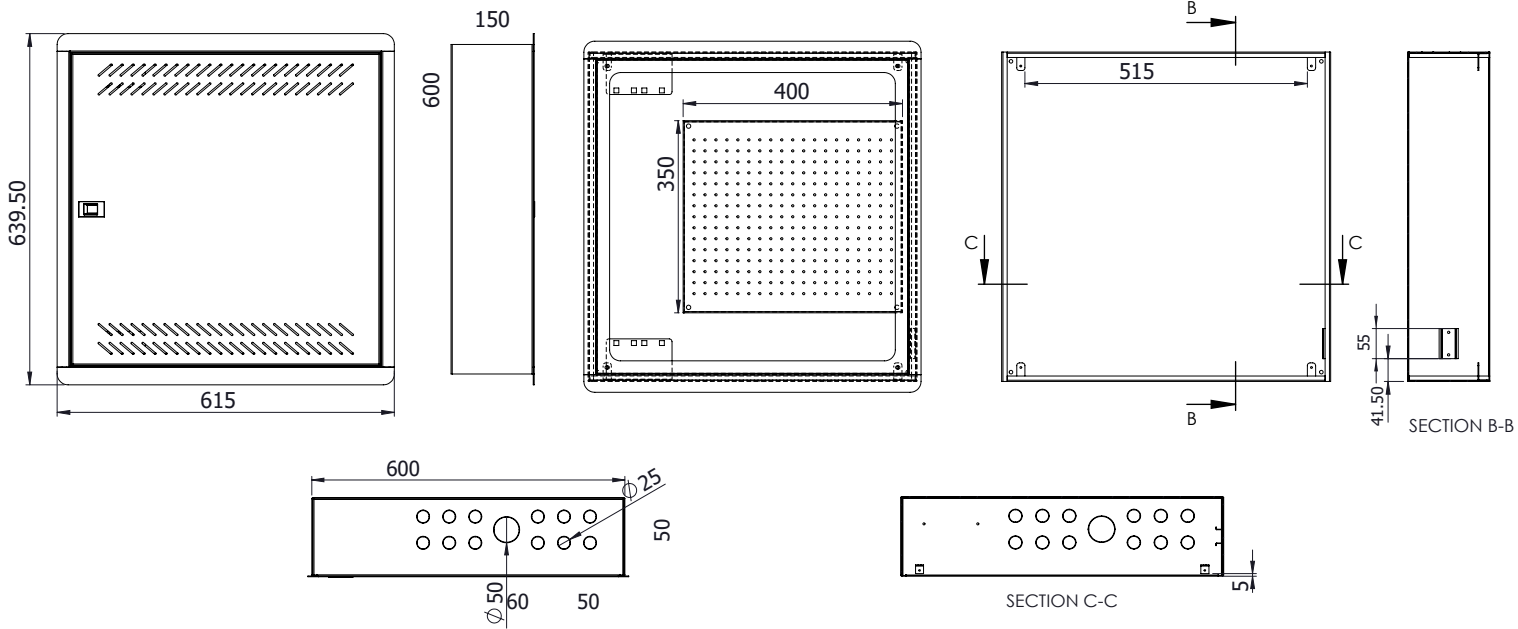
Product Views-Wall Mount



Compact 12U single-section wall-mount cabinet tailored for residential, FTTH, and hospitality network wiring. Ships fully assembled with fitted accessories and can be disassembled into three parts (Door · Frame · Back Box) for tight-space installation. Compliant with MEA standards. Available in Grey (RAL 7035) or Pure White (RAL 9010).

CONSTRUCTION	
Material	GI steel
Loading Capacity	23 KG
Degree Of Protection	IP20
Surface Finish	Wall Mount Finish
Body Thickness	0.8mm
Door Thickness	0.8mm
Width	450mm
Depth	100mm
Color	Ral9010; Ral7035
Flange Thickness	1.2 mm
Mounting Profile	1 mm

PLAN

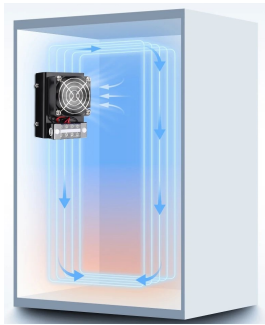


Accessories

- Micro ODF
- Patch Panel
- Cable Organizer

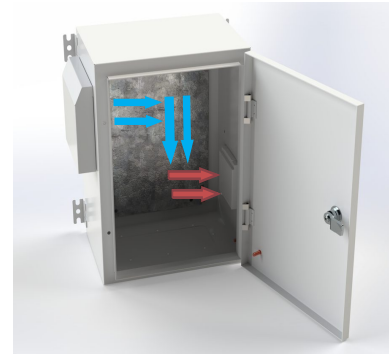


- SEMICONDUCTOR TEC AIR CONDITIONER
– FD-100W



- **Closed-Loop Internal Cooling**
Cool air continuously circulates inside the cabinet, removing heat from internal equipment and maintaining a stable operating temperature without introducing outside air.
- **Semiconductor TEC Cooling**
The TEC module transfers heat from inside the enclosure to the external heat sink using thermoelectric cooling technology.
- **Sealed Cabinet Protection**
The fully sealed cooling design prevents dust, humidity, and contaminants from entering the enclosure, making it ideal for harsh outdoor and industrial environments.

- DUAL AIRFLOW ARCHITECTURE
– FAN & LOUVER



- **Cool Air Intake (Upper Fan)**
The axial cooling fan draws fresh ambient air into the upper section of the cabinet, creating airflow to reduce internal heat buildup.
- **Hot Air Exhaust (Bottom Louver)**
Warm air is directed downward and discharged through the lower ventilation louver, maintaining balanced airflow circulation inside the enclosure.
- **Smart Ventilation Control**
The thermostat automatically activates the fan when internal temperatures rise above the preset threshold, ensuring optimized cooling performance and energy efficiency.

BASIC DESIGN

Single door cabinet with hood, plinths and vents.
Especially designed for: public lighting, advertising panels, festivals, decorative lighting, and traffic light controls.

2 DOOR DESIGN

Double door design up to IP65, anti-vandal lock and plinths (300mm).
Perfect for connection, measurement, controls and protection modules.