



Delivering greener alternatives™

Passively-Cooled Cabinets

PC series



Product Information

FastCool™ Passive Cooling

PC series passive cabinets are equipped with our patented FastCool™ passive cooling technology to provide electricity-free and maintenance-free cabinet cooling. The cabinets are made with corrosion-resistant GRP materials insulated with PUF. The Cooling system for each cabinet is designed to keep your equipment cool even during the hottest summer. This lower temperature will help increase the life of your equipment without the need of an electric cooling system. So, Invest in the future of equipment protection with our Passive-Cooled Insulated GRP Cabinet. It's the dependable, eco-friendly, and cost-effective choice for safeguarding your valuable assets.

Robust and durable

The key advantage of passive-cooled insulated GRP cabinets is their ability to provide thermal protection without relying on active cooling systems, thus eliminating consumption and maintenance costs. We use high-quality composite materials to build our GRP cabinets to achieve high quality, strength and long-term durability. All of our cabinets use gel coats that are extremely resistant to UV, acids and other harsh environments.

Applications

The application of a passive-cooled insulated GRP cabinet is versatile, offering effective solutions for a range of industries and purposes. Some common applications are EEBDs, electronic instruments, industrial control system, enclosures, and battery room.

Cabinet

Material of construction

Walls, roof and doors: Double wall GRP with 80 mm PU foam sandwiched in between.

Floor: GRP with 80 mm PU foam sandwiched in between. Added reinforcement to provide strength

Fittings: Stainless steel

Weatherproof

Extremely rugged gel coat to resist harshest of the environments including seawater. Resistant to termites and fungi.

UV resistant

Extreme resistance to UV. (ASTM G154)

Fire rating

Fire retardant, self-extinguishing as per BS 476:Part 7:1997 Class 2

Color

RAL1016, Yellow (Other colors are available).

Anti-static

As per IEC-60079-0

Temperature range

-65 °C to 100 °C

IP Rating

IP 54 (for double door option)

Canopy

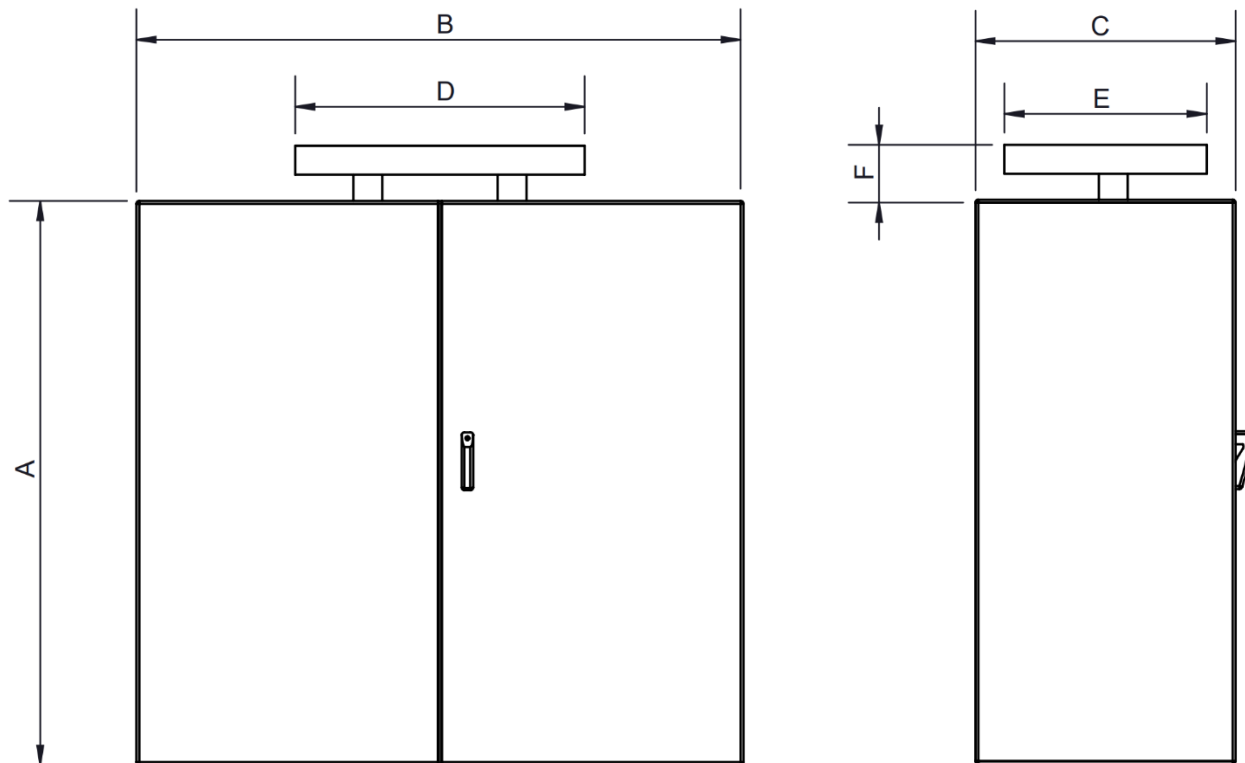
Optional

Passive cooler

Ambient temperature	Suitable till 55 °C
Internal cabinet temperature	Shall be maintained close to the outside nighttime temperature +/- 3 °C.
Thermal storage	Water tank (stainless steel) shall be provided as thermal storage.
Cooling loop	Equipped with FastCool™ passive cooling technology. Internal and external heat exchangers are built with corrosion resistant materials to provide long term durability. Fully sealed and leak tight loop.
Material of construction	Water tank: Stainless steel/ Corrosion resistant material External heat exchanger: Copper tubes/ Aluminum fins Plumbing: Stainless Steel

Documents

Documentations and certification	All material test certification shall be provided as per requirement along with installation and maintenance . All documents shall be in English language.
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Cabinet Model	Height (A)	Width (B)	Depth (C)	HX Width (D)	HX Depth (E)	F
PC-ML50	1600	1000	800	800	600	300
PC-ML100	1800	1000	800	800	600	300
PC-XL50	2000	1200	1000	1000	800	300
PC-XL100	2200	1200	1000	1000	800	300
- All dimensions are in mm						