



Delivering greener alternatives™

# Passively-Cooled Cabinets

## PC series



## Product Information

### FastCool™ Passive Cooling

PC series passive cabinets are equipped with our patent-pending 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

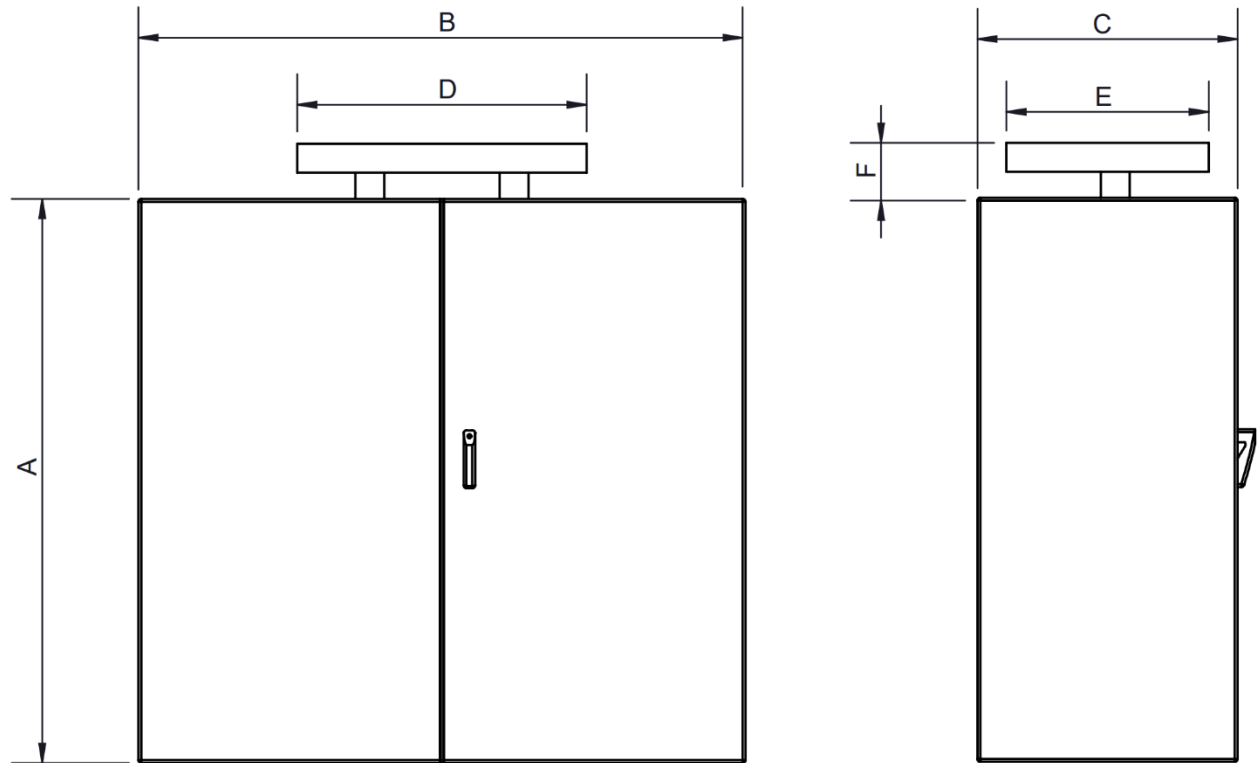
Optional

## 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	<p><b>Water tank:</b> Stainless steel / Corrosion resistant material</p> <p><b>External heat exchanger:</b> Copper tubes / Aluminum fins</p> <p><b>Plumbing:</b> Stainless Steel</p>

## 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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