



Delivering greener alternatives™

Passively-cooled Cabinets

PC series (PC 21919)



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 need of an electric cooling system.

Robust and durable

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.

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Cabinet

Dimensions

2100(Width) x 900 (Depth) x 1950 (Height)

Can fit 20 EEBDs

Material of construction

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

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 termite 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)

UV resistant

Extreme resistance to UV. (as per ASTM G154)

Passive cooler

Ambient temperature	30-55°C
Internal air temperature	Shall be maintained between the maximum outside night temperature and 30+/- 5°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>Water tank: Stainless steel</p> <p>External heat exchanger: Copper tubes/ Aluminum fins</p> <p>Plumbing: Copper/Stainless Steel</p>

Documents and delivery

Delivery period	8 Weeks, Shall be delivered at MICCO Store, Musafah, Abu Dhabi
Documentations and certification	All material test certification shall be provided as per requirement. Installation and maintenance checklist shall be provided. All documents shall be in English language.

Drawings

