

Portable Facilities Cabinet (PFC) Specification

Background.

The Portable Facilities Cabinet (PFC) is a quick, versatile solution that can be pre-packaged prior to system installation, this is a simple, versatile solution that obviates the expense and logistical problems of a server room construction for remote sites. All client equipment testing can take place under controlled conditions before the module is dispatched to the remote location for 'plugging in'

Cabinet

- Robust construction
- IP 55 rated weatherproof enclosure for most environments
- Small footprint area
- 360° access to cabinet
- Easily portable between sites
- Maximum user space in cabinet – 82%
- Weight(empty cabinet) = 300KG
- Dimensions : H: 2200mm, W: 850mm, L:1000mm

Adds On Items:

PDU (Power Distribution Unit):

Surge & lightning protected inputs

Access Control :

3 Point Pin Locking systems with remote management capability.

Environmental Monitoring System:

Monitoring / moisture detection & cabinet temperature
Wireless GSM telemetry Communications – can operate if Network fails. Web-enabled options and Web-cam options

Air-conditioning Cooling System:

Internationally proven equipment. Practical design – no hazard to User equipment. Up to 6kw per unit.

Fire Suppression System:

Dual detector operating principle, aerosol fire extinguisher.

UPS System/s:

Internationally proven equipment, from 1kva up to 15 KVA
Modular battery options available.



Benefits of the PFC Solution

- Flexible facilities solution
- Reduction in maintenance
- Limited administration requirements
- Portable from leased locations
- Reduction in space requirement
- Offers a complete pro- active monitoring system
- Self-contained facilities system
- Caters for remote locations
- Very cost effective



Technical Datasheet

Cabinet Specifications	
Rack Configuration	Single, Double, Triple and Quad
Rack Height	25U, 38U, 43U
Weight(empty cabinet)	400KG
Supported Weight on double	1600KG
Supported Weight on Single	1000KG
Width	850mm
Height	2100mm
Depth	1000mm
Usable U space	85% available space
Conformance (SABS)	ISO9001:2008 (IP 55)
Warranty	1year on all inside components
Rack Materials	
Front Door	Glass Door
Rear door	Steel
Housing	2mm steel
Frame	2mm steel
Paint	Matt Black Texture (powder coated)
Cooling System	
A/C Configuration	Single or Double
A/C Capacity	9000BTU,12000BTU,18000BTU and 24000BTU
Warranty	1 year
Fire Suppression System	
Extinguisher Type	Pyrogen
Detection Type	1 x Optical Detector, 1 x Ionization Detector
Warranty	1 year
Power Distribution Board (PDB)	
Material & finish	Steel Powder Coated
Height	3U
Width & Depth	480mm , 90mm
Input	1 x single/triple pole 63Amp isolator
Output	1 x single pole 20 Amp circuit breaker (cooling system). 1 x single pole 32 Amp circuit breaker (UPS system) this may vary depending upon UPS capacity configuration.
Environmental Monitoring System [EMS]	
Type	Netbotz, RTD2 GSM, AKCP, TM3
Communication	GSM,TCP/IP, SNMP
Alerts	Temperature, Humidity, Flood, power, Smoke, unauthorized access
Uninterrupted Power Supply (UPS)	
Type	Rack Mount system including battery backup
Size	3KVA,4KVA,5KVA,6KVA,11KVA
Warranty	1 year