

HKCOLO

Technical Specifications

1. AC Power Supply System

- Voltage : 220/380VAC 50Hz.
- Source : from utility by ring-circuit in HV power supply & dedicated LV power transformer.
- Highest reliability and designed to avoid any single point of failure.

2. Backup AC Power Supply Systems

- Uninterrupted Power Supply System
 - ◆ Backup Time : 10 minutes at full load.
 - ◆ RFI comply with EN50081 to EN50082
- Diesel Power Generating Sets
 - ◆ Voltage : 220/380VAC 50Hz.
 - ◆ Comply with ISO3046/1, BS5514, BS4999, BS5000, and ISO8528.
 - ◆ 100% full load backup and automatic starting within 15 seconds at city main power failure.

3. Earthing System

- Electrical power earthing and signaling earthing are separate.
- For AC power supply system
 - ◆ Extended throughout the building for the plants, systems, and equipment fed from the AC power supply system.
 - ◆ Connection is as stipulated by the power company.
 - ◆ Connected to ground via copper electrode of length not less than 2 metres.
 - ◆ Earth loop impedance less than 5 ohms.

- ◆ Terminals are installed inside the colocation area.
 - For Signaling
 - ◆ Connected to ground via copper electrode of length not less than 2 metres.
 - ◆ Earth loop impedance less than 5 ohms.
 - ◆ Terminals are installed inside the colocation area.
4. AC Power Distribution
- According to customer's requirements. (Optional)
5. DC Power Supply (Optional)
- Voltage : -48V to -58V adjustable.
 - Regulation : Static, Line + load : +/- 1%
 - Operational Condition :
 - 0 - 45 degree Celsius (55 degree Celsius with output current limit), and 0 - 90% relative humidity.
 - Noise Level : under 60dB.
 - Reference Norm : EN60950
 - Batteries :
 - Maintenance free type fully complied with CEI 21.6 Leaf 1434 and ISO 9000 certification.
 - Operation Temperature of the batteries :
 - 10 to +40 degree Celsius.
 - Battery Backup Time :
 - ◆ 10 minutes in full load and backup by generator
6. Fire Services System
- The building is partitioned into separate fire zones and monitored by fire detection systems.

- Manual fire alarm switches are provided throughout the premise.
- Audible fire alarms are provided in all area.
- All fire zones are defined as according to the building layout.
- Manual Fire Extinguishers of appropriate type and capacity are provided in each fire zone.
- The fire detection system for the equipment room employs two sets of sensors operating independently.
- The status of the fire detection system is monitored by the Facilities Management Control & Alarm System, which is connected to the Fire Service Department.
- An alarm will sound in the space for 30 seconds prior to gas release to warn staff of imminent release.
- Pre-action dry sprinkler system and sufficient gas suppression system (FM200) are provided throughout the entire equipment room. FM200, dry sprinkler system & etc. in accordance with Hong Kong Fire Services Department Regulation and international standard.

7. Environmental Control

- Air conditioning and climate control shall be provided within temperature limits of 21 degree Celsius +/- 3 degrees Celsius.
- Humidity shall normally be in the range of 40-60 percent.
- N + 1 CRAC units are provided for computer equipment room.
- Power supply for all CRAC is backup by generators and with automatic re-start.

8. Raised Floor

- The dimensions of the raised floor tile are 600 x 600 mm.
- The clearance from the concrete floor to the top of the raised floor is approximate 300 mm.
- Floor loading is 750kg per square metre.
- The clearance from the top of the raised floor to the underside of the beams is 2.5 metres.

9. Elevator Capacity

- Loading : Max. 3000 kg.
- Inner Dimensions (mm) : 2460(D) x 3600(W) x 2100(H).
- Door Dimensions (mm) : 1800(W) x 2100(H).

10. Security

- CCTV system is installed to cover the premise.
- All entrance doors are equipped with card readers operating with PIN.
- Emergency exits are wired with alarms and monitored by CCTV security system.

11. Water Leakage Detection System

Water leakage detection system is installed and connected to Facilities Management and Alarm System.

12. Facilities Management Control & Alarm System

- Alarm Monitoring System covering UPS, rectifiers, temperature conditions, CRAC, AC/DC power supply, FM200 system, diesel power generating sets, doors, security system & water leakage detection system.

13. Cable Tray / MDF

- Sufficient cable tray/basket including maintenance of the cable tray/basket is provided.
- Spaces at the Kronas racks in the existing MDF room to terminate cables is provided.

14. Cabinet

- Standard 19" cabinets are available with 23" cabinets at special order.