

Data Center Infrastructure

The one-stop solution for sustainable digital **efficiency and protection.**



Solution Benefits

Optimized Efficiency

- Free cooling with refrigerant type indirect free cooling.
- Aisle containment no energy loss from cold/hot air mix.
- High efficient components including inverter compressors, EC fans and green refrigerant.
- Real time PUE measuring and monitoring.
- UPS supports ECO energy saving mode.

Standardized Management and Monitoring

- LEGO style standard product modules for easy duplicated management.
- Local and remote monitoring protocol for easy control and visualization.
- Real time alert/notification for peace of mind performance.
- Easy purchasing, installation, and service process with pre-defined designs.

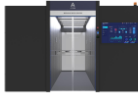
Integrated Protection and Security

- TIER 1~4 design compatibility.
- Secure access control of each doors.
- Compatible with fire system by automatic action to top panels and air conditioners.
- Video surveillance with live view and backup recording.



Design Features

Smart Module with Larger Display



- 21 inch/43 inch display per configuration.
- Smart doors automatic open/close.
- Top panel automatic open per fire signal.
- Blue/Orange/Red lights status indication.
- Modular construction suitable for future expansion.

Green Precision Cooling



- 5-90kW Row cooling, or 5-200kW Room cooling.
- Green efficiency type free cooling options.
- High efficiency technology with inverter and EC fan
- Works for -40C ~ +55C ambient temperature.

Hybrid Power in Modular Form



- Standard design rack mount type UPS/48VDC rectifier saving space.
- VRLA and Lithium battery by configuration.
- Smart PDU per configurations.
- Built in power distribution panels configurable to T1~T4 uptime level.

Secured IT Rack System



- Secured by access control system with optional smart locking.
- 1800kg static loading capacity IT racks.
- Optional with solid rear door for better airflow management.

Insightful DCIM System



- Full communication to UPS, cooling, power panel, and all type of sensors.
- Integration with access control system.
- Integration with video surveillance system.
- Local display and settings on touch screen.
- Remote accessible from web, SMS, Email, Modbus-TCP. Optional with SNMP.

Unified Access Control System



- 3 in 1 type (pin/password/fingerprint) access control protection. Optional 4 in 1 (+face recognition) access control protection.
- Central and remote management by standalone software.
- Integration into DCIM system.

Customized Efficiency

Data Center Solutions

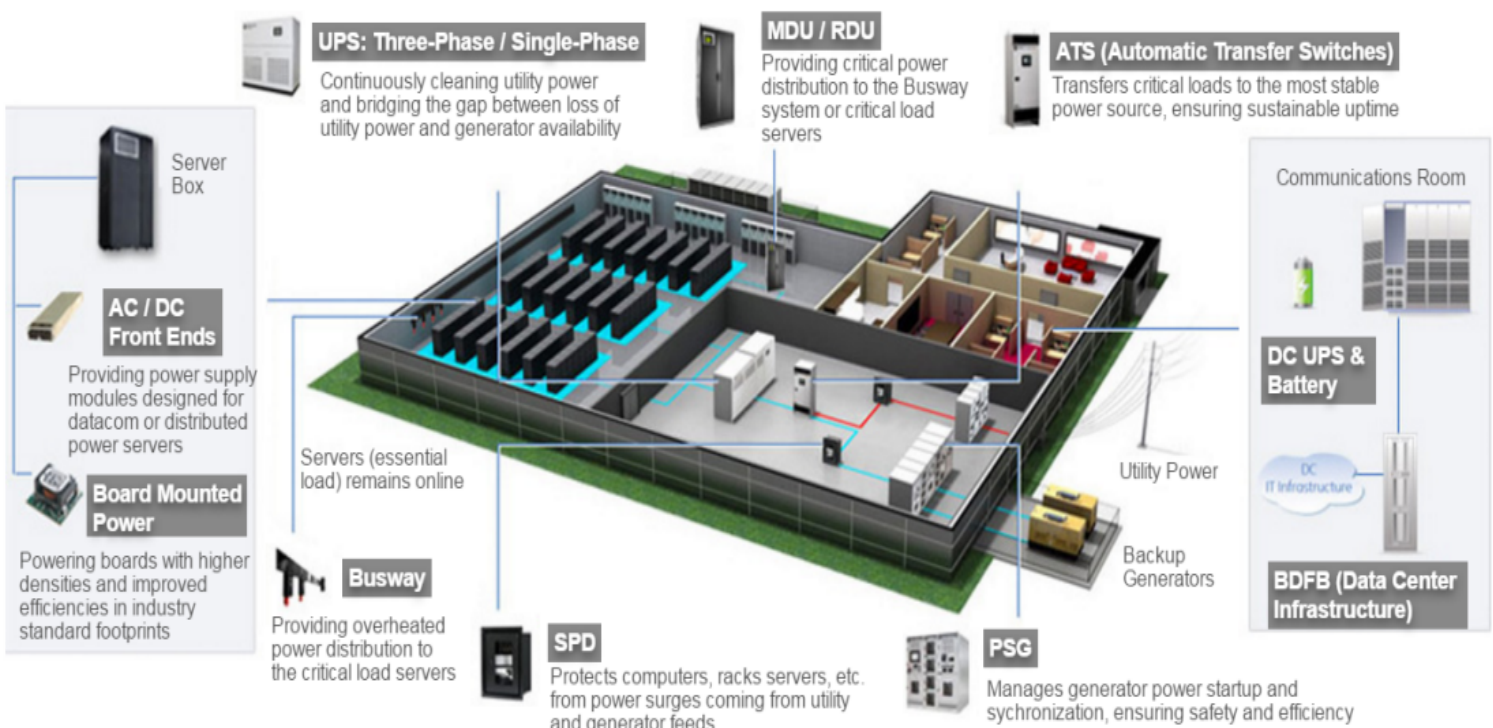
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Structure Cabling Solutions:

DCS provides Structured Cabling installation services for commercial, educational, and industrial clients throughout the country. Our certified and trained technicians service voice, video, and data networks in environments ranging from small local businesses to learning institutions to large industrial facilities. Our experts handle every aspect of network deployment, from the design and installation of a completely new network to simply extending to an existing network. Structured Cabling Solutions specializes in providing technology solutions in a way that simplifies the process.

WE SPECIALIZE IN

- 1.Copper Cable Installations
- 2.Fiber Optic Cable Installations
- 3.Coaxial Cable Installations
- 4.CCTV Security Cameras
- 5.Wireless Infrastructure
- 6.Access Control
- 7.Backbone Distribution Systems
- 8.DAS (Distributed Antenna System)
- 9.Small Cell Antenna System
- 10.CATV (Cable TV Infrastructure)
- 11.Data Center Build-Outs
- 12.Relay Rack & Server Cabinet Installations
- 13.Cable Trays & Ladder Racks.
- 14.Raised Floor System



Modular Data Center Solutions

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Power System

- 3kVA~60kVA rack UPS
- 60-200kVA modular UPS rack mount.
- 250-600kVA modular UPS floor mount
- 60A~1200A 48VDC rectifier
- Basic/Smart PDU



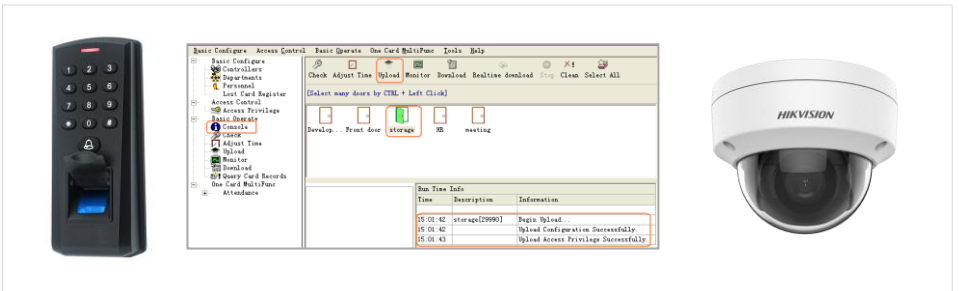
Cooling System

- 5-90kW Inrow cooling system
- 5-200kW CRAC cooling system
- Refrigerant type free cooling available upon configuration.



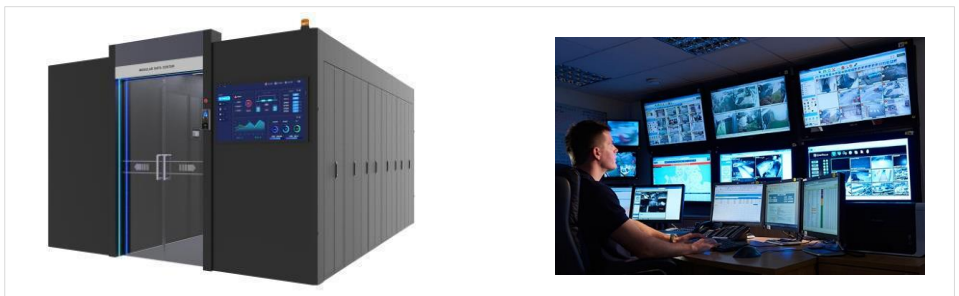
Security System

- 3 in 1 access control for each door.
- Centralized software management.
- Video surveillance.



DCIM System

- Local & remote monitoring, and alert.
- Full sensors.
- Full integration of 3rd party equipment.

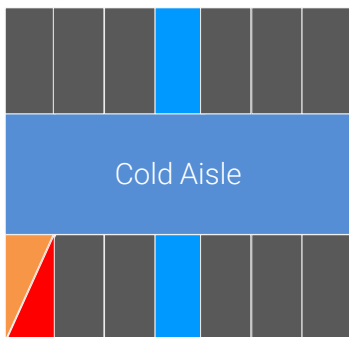


Customized Efficiency

Data Center Solutions

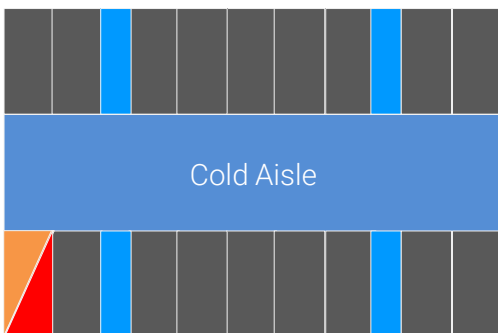
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Pre-configured Models



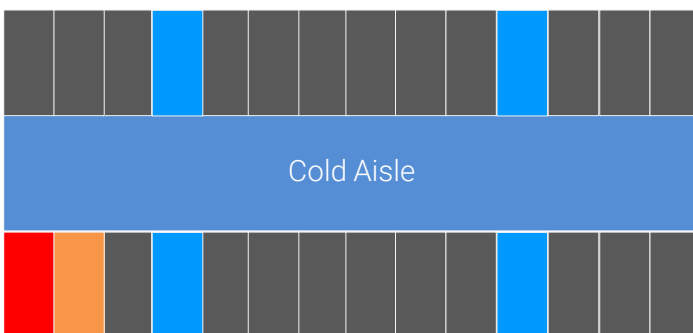
DCS-60-R12

- IT Rack: 12 Sets
- IT Power: 60kW
- Cooling: 2x 65.7kW
- UPS: 90kVA
- Redundancy: N+1



DCS-90-R18

- IT Rack: 18 Sets
- IT Power: 90kW
- Cooling: 4x 31.1kW
- UPS: 125kVA
- Redundancy: N+1



DCS-120-R24

- IT Rack: 24 Sets
- IT Power: 120kW
- Cooling: 4x 51.2kW
- UPS: 150kVA
- Redundancy: N+1

Customized Efficiency