

IDU Mini Data Cube



Mini Data Centre Integrated Solution

- All-in-One Rack Cooling System Integrated Air Conditioner, UPS, Battery, PDU and Real Time Monitoring Software
- Plug and Play. Easy, swift and Smooth Deployment
- Sealed Cabinet Design for Sustainable Cooling and Noise Reduction
- The Cooling System Provides Energy-Efficient Cooling Systems by Latest Inverter Technology. Automatic Controlled Auto-Adjust Between 3.5KW to 10.5KW/3Ton for Maximum Energy Efficiency

Target Applications and Industries

- IT Server Room
- Insurance/Banking
- Telecommunications
- Internet of Things
- Education
- Small Enterprise
- Cloud computing
- Security
- Retail Outlets



System Outlook

Security & Accessories

- Smoke detector
- LED lighting
- Environmental monitoring device



Cabinet

- 42U x 600 x 1200 mm
- Sealed design
- Surface painting for anti-rust, water-proof and anti-corrosion
- Removable side panel

Switch Panel

- 3U
- Integrated all switches for input, output, manual bypass and PDU



Online UPS

- 3U ~ 6U
- 3KVA ~ 12 KVA with Inbuilt Battery



Air Conditioner

- 5U
- R410A refrigerant
- DC inverter design
- Redundant cooling fan
- Automatic Controlled Auto-Adjust Between 3,5KW to 10,5KW/3Ton for Maximum Energy Efficiency



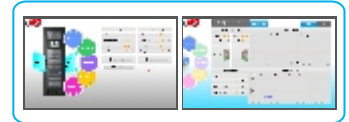
Front View (Open)

Front View (Closed)

Emergency cooling fan

HMI Display

- 10" touch LCD screen
- UPS status monitoring & management
- Temperature & humidity monitoring



Anti-fog double glass

Power Distribution Unit

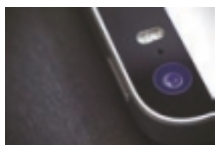
- Vertically on the back of the chassis



Emergency cooling fan



Optional Accessories



Integrated Camera on LCD panel



Magnetic door locker



Alarm belcon



1U Meter PDU

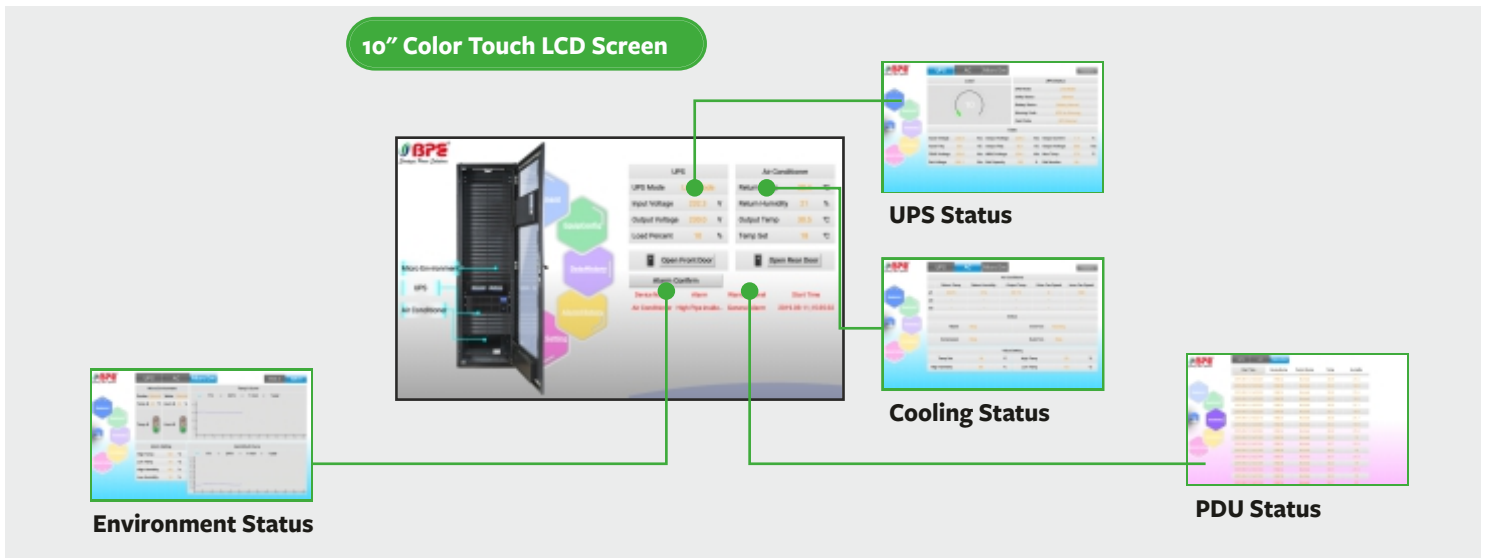


Leakage sensor



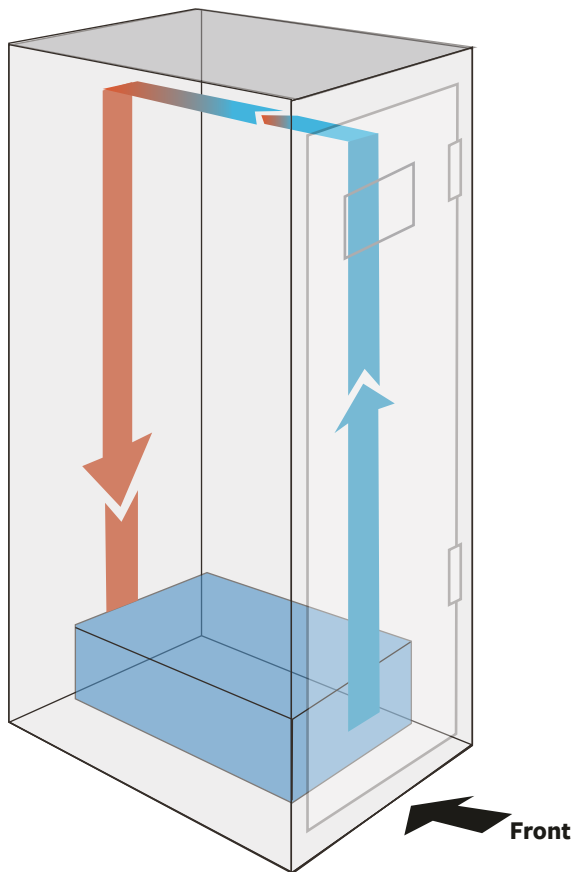
1U Fire Suppression

Monitoring Software Selections

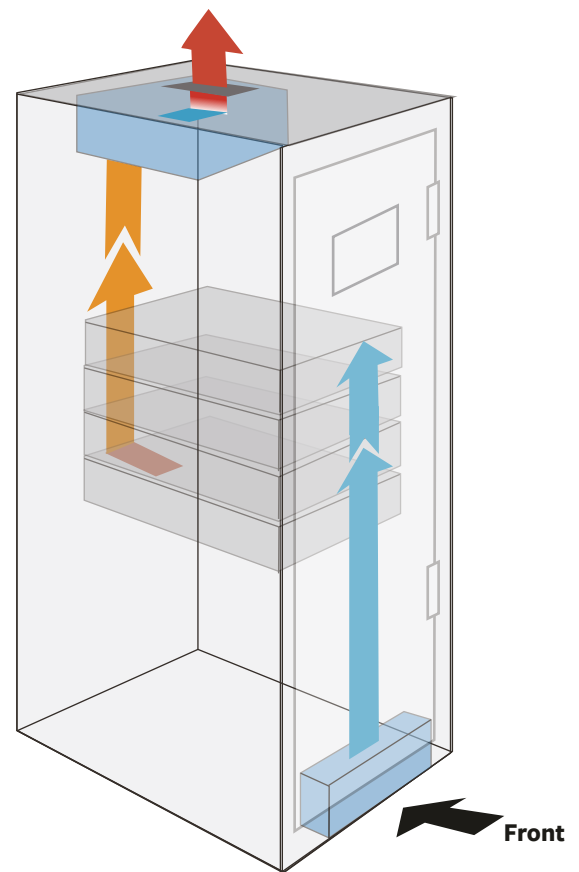


Cooling entilation system

Normal operation



Emergency Condition



Alternative UPS Selections



For Space saving with maximum UPS Capacity:

- MP Series 3KVA
- LED Display
- 3 U Size
- Inbuilt Battery 12V



For Space saving with maximum UPS Capacity:

- MP Series 6-12KVA
- LED Display
- 4 U Size
- Inbuilt Battery 12V 7AH/9AH

Technical Specifications of IDU Mini Data Cube

MODEL	IDU-3000	IDU-6000	IDU-10000	IDU-12000
AIR-CONDITIONER				
Maximum Cooling Capacity	Automatic Controlled Auto-Adjust Between 3.5KW to 10.5KW/3Ton for Maximum Energy Efficiency			
Power Supply	230V/50Hz Single Phase			
Rated Power Consumption	1100W			
Air Flow	≥ 700 CHM			
Dimension WxDxH (mm)	438x740x222 (5U) (In-Rack Unit), 763x250x285 (External Compressor Outdoor)			
Weight (Kg)	15 (In-Rack Unit), 35 (Compressor Outdoor Unit)			
Refrigerant Type	R410A			
Design Lifetime	10 Years			
Humidity	0 ~ 90% Relative Humidity			
Temperature	-15 ~ 45°C			
PDU				
Standard	0U with IEC C13 x 15			
Optional	1U Meter Type of PDU for 8 Controllable Outlets			
Switch Box	3U with MCBs for Mains Power/UPS/AC/Manual Bypass/Light and SPD			
MONITORING				
Display	10 Inch Colour Touch LED			
Standard Accessories	Temperature, Humidity, Smoke Sensor and LED Light			
Optional Accessories	Integrated Camera, Magnetic Door Lock, Leakage Sensor and Alarm Beacon			
UPS				
Model	MP1103B6	MP1106LB16	MP1110LB16	MP1112LB16
Phase	1Ph In / 1Ph Out		1Ph In / 1Ph Out (Standard), 3Ph In / 1Ph Out (Optional)	
Capacity (KVA)	3	6	10	12
Battery (inbuilt)	6 x 12V/7Ah or 9Ah		16 x 12V/7Ah or 9Ah	
Features	Online UPS, Space Saving UPS with Inbuilt Battery			
Dimension WxDxH (mm)	438x580x133 (3U)		440x660x176 (4U)	
Net Weight (Kg)	30	58	63	65
CABINET				
Usable Space for IT Equipments	30 U		29 U	
Bearing Load (Kg)	1500			
Protection Class	IP 40, with Ventilation fan Holes on The Cabinet			
Dimension WxDxH (mm)	600x1200x2000 (42U)			
Weight (Kg)	150			

*Specifications are subject to change without prior notice.

