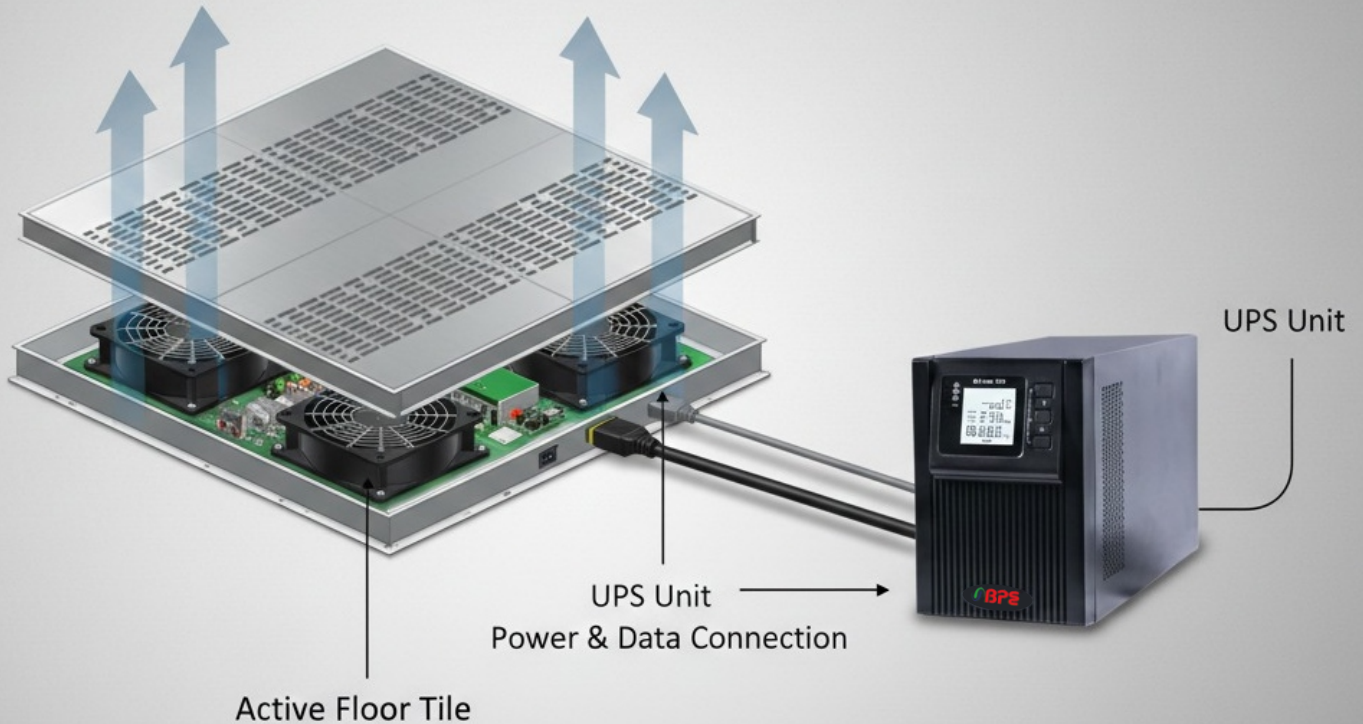
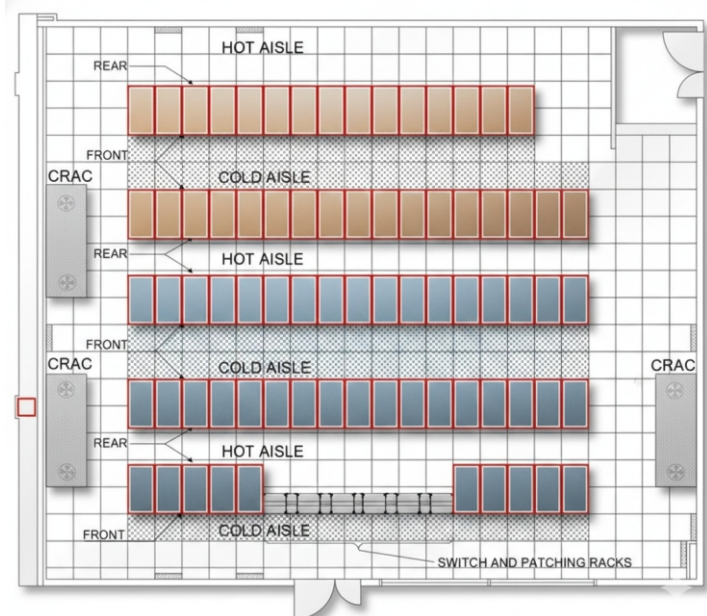




Product Overview

Active tiles with 30 minutes backup are advanced airflow management solutions designed to enhance cooling efficiency in data centers. Functioning as both air boosters and regulators, these tiles optimize airflow distribution by delivering targeted cooling to high-density server racks. Equipped with an EC fan, temperature sensors, and an airflow controller, active tiles dynamically adjust to thermal conditions, preventing hot spots and reducing cooling losses. Seamlessly integrated into standard raised flooring, they ensure uniform cooling, improve energy efficiency, and enhance the overall performance of precision air-conditioning systems.



Product Technical Features & Specifications



Ultra-Thin Profile

- **World's thinnest tile:** 65mm
- Traditional designs: 450mm thickness
- Saves significant under-floor space



Easy Installation

- Simple swap-and-replace design
- No structural modification required
- Minimal downtime during setup



Lightweight Composite

- Reinforced plastic construction
- Corrosion-free & Non-conductive
- **40% lighter** than metal tiles



Multi-Fan System

- 4 or 8 fan redundancy configuration
- Hot-swappable fan modules
- Built-in failure alarm system



Power & Acoustics

- Compatible with UPS (AC) & SMPS (DC)
- Brushless DC fans: **48 dBA**
- Ultra-quiet high-density cooling



Efficiency & ROI

- **50% lower** energy consumption
- **50% cost reduction** in ops
- Economical logistics & transport

PARAMETERS	MODEL	BPE5KA	BPE7KA	BPE10KA	BPE5KD	BPE7KD	BPE10KD
Electrical	Max air flow @ Zero static pressure	720 CFM	960 CFM	1440 CFM	720 CFM	960 CFM	1440 CFM
	Input Voltage	230 VAC			-48 VDC		
	Power Consumption	126W	168W	252W	126W	168W	252W
	Variable speed Operation	Available					
Mechanical	Tile Measurement	600 mm x 600 mm					
	Thickness	~ 65 mm					
	Weight	~10 Kg					
	Material	Composite					
	Load Capacity	1.5 kN					