



DXN Power Modules

Our turnkey prefabricated fully packaged power modules are scalable, purpose-built and rapidly deployable for modular data centres.

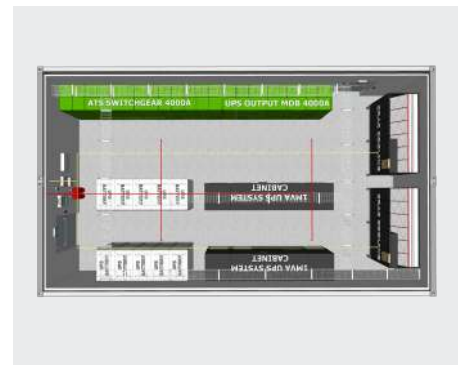
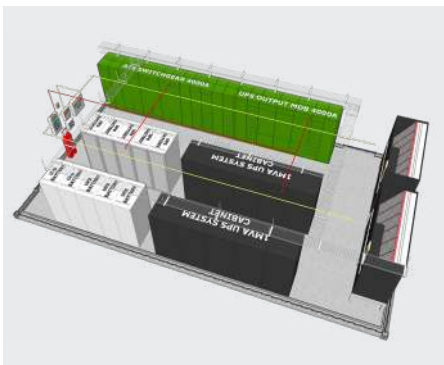
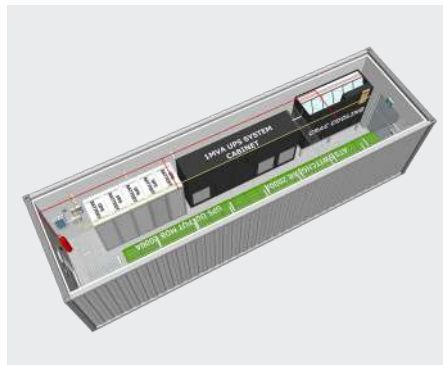
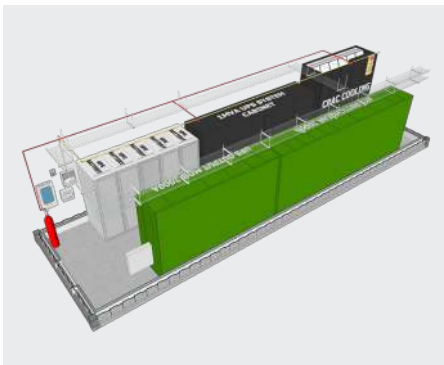
Power rooms are often the trickiest rooms to build in any data centre and it leads to project delays and cost overruns.

By building these in factory and performing factory acceptance tests before shipping them to site, we simplify the whole build process and ensure that the Power Solution is in place on time.

These fully packaged power modules are ready to use when they arrive on site and it becomes as simple as connecting the incoming and outgoing power cables.

The DXN power modules allows the data centre operator to build and scale modularly and expand power capacity as and when needed.

These power modules enable the data centre operator to simplify and standardize their power distribution designs. Can support various redundancy configurations like 2N or N+1 (distributed redundancy designs) and supports Tier III or Tier IV designs.



Key Highlights of DXN Power Modules

- Designed for 100kW to 2400kW loads. Options for customized higher capacity are also available
- Complete outdoor enclosure built to withstand Category 5 cyclones, seismic conditions and highly corrosive environments
- Fully packaged incoming main low voltage switch gear with 2 or 3 way ATS (Automatic Transfer Switch) with mechanical interlock to handle multiple input power sources, ready to connect to generators or mains power
- UPS output distribution board with customizable breaker ratings as per data hall requirements
- UPS is completely vendor agnostic
- Can choose from Lithium-Ion or VRLA battery backup and can be customized for 10 minutes to hours of battery autonomy time.
- External Bypass option available for UPS for maintenance
- Options for 48V DC solutions
- Designed and built to comply with relevant local regulations & electrical standards in different countries
- Options to segregate the battery room with fire rated walls to comply with local regulations
- IP66 rated ingress protection via Roxtec sealing solutions for all cables and pipes entry points



Datasheet

DXN Power Module	DXN P1 Module	DXN P2 Module	DXN P3 Module
kW Capacity	Up to 500kW	Up to 1200kW	Up to 2400kW
External Dimensions	8m (L) x 3.49m (W) x 3.3m (H)	12.2m (L) x 3.49m (W) x 3.3m (H)	12.2m (L) x 6.98m (W) x 3.3m (H)

Heading	Subheading	Description
Structural	Corrosion Standards	C4 (standard), C5 and CX options available
	Seismic	Standard Zone 3 (options available for Zone 4 and 5)
	Flooring	Anti-static vinyl flooring (optional raised floor)
	Thermal Insulation	R-Value from 2.37 up to 5.13
	Cable Entry	Roxtec G Transit IP66 rated gland plate for all cable entry points
	Lighting	LED Lighting
	Cable Trays	Power cable trays as per design for all power cabling
Fire Protection	Fire Rating	2hr (120 min) Standard, 1hr (60 min) options available
	Fire Detection	IG541, Novec 1250 and FM-200
	Smoke Detectors & VESDA	Smoke detection and very early warning detection systems (VESDA) included as standard
Cooling	Cooling methods	DX or chilled water solutions
Monitoring & Management	BMS	Fully Integrated BMS (Building Management System) including environment monitoring to monitor temperature and humidity
Security System	Access System	Card/Keypad/Biometric