

SMDC – Multi-module

up to 300 kVA, hybrid cooling



Descrizione

The Smart Modular Data Centre (SMDC) is a scalable, pre-assembled, plug-and-play solution designed for edge computing and engineered for rapid deployment.

The multi-module SMDC ensures a capacity of up to 300 kVA. It consists of 42U racks, integrated intelligent power distribution, uninterruptible power supplies (UPS) and a flexible cooling system with a capacity of up to 25 kW per cooling unit.

It also includes a fire extinguishing system, air gap sealing and comprehensive software for infrastructure management.

This multi-module solution offers multiple configuration options for redundant power and cooling enabling seamless scalability and technology upgrades with little additional cost or disruption.

Applicazione

The multi-module SMDC supports edge computing, operating smart facilities with IoT devices, and running remote or branch offices.

Advanced applications include technologies such as AI, AR, VR and automation systems that require flexible, scalable and energy-efficient real-time data processing.

Proprietà meccaniche

Porta anteriore	con doppio vetro temperato da 5 mm (non applicabile ai refrigeratori in fila)
Porta posteriore	in lamiera d'acciaio massiccia
Pannelli laterali	rimovibile, con bullone di messa a terra
Pannello superiore	Cable entry possible
Pannello inferiore	Cable entry possible
Profilo di montaggio	2 coppie di profili verticali da 19" (anteriore / posteriore)

Proprietà tecniche

Ventilazione d'emergenza	Top of the rack and front door, extracting hot air from the rack in case of cooling failure
PDU	Intelligent power management
Capacità UPS	up to 300 kVA
Estensione del tempo di autonomia dell'UPS (opzionale)	8 to 15 minutes
DCIM	Real-time status monitor and control
Interfaccia utente	10.4" touch screen and remote web interface
Sensori	Cooling system, UPS, power usage effectiveness (PUE), iPDU*, IT load, access control*, temperature, humidity and alarm status
Allarme e notifica	Sound and light alarm with SMS and email notification
Controllo accessi	Card or keypad
Soppressione del fuoco	FM200-J / NOVEC 1230 rack mounted (2U)*

Versioni

Codice art.	Prodotto	IT load	Available space	Cooling / Condenser	Input power
41905003ZY	SMDC – Multi-module	up to 267 kW	up to 100 racks	In-row / outdoor	380 - 415 VAC, 3Ph+N+PE 50/60Hz

The Smart Modular Data Centre is a tailor-made and customised solution to fulfil the customers' specific needs and requirements.
*depending on your configuration

Con riserva di modifiche tecniche

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