

SMDC – Multi-rack

up to 40 kVA, hybrid cooling



Beschreibung

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

Each multi-rack SMDC features a configurable power supply unit and a redundant in-row cooling system, providing seamless scalability and technology upgrades with little additional cost or disruption.

This multi-rack solution ensures a capacity of up to 40 kVA. It consists of 42U racks, an integrated intelligent power distribution, an uninterruptible power supply (UPS, optionally redundant) and a flexible, compact cooling system with a capacity of up to 25 kW per cooling unit. There is also a fire extinguishing system, air gap sealing and comprehensive software for infrastructure management.

Anwendung

The multi-rack SMDC supports edge computing, operating smart facilities with IoT devices, remote or branch offices or it serves as a building distributor (BD).

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

Mechanische Eigenschaften

Fronttür	mit 5 mm gehärtetem Doppelglas (gilt nicht für Reihenkühler)
Rücktür	aus massivem Stahlblech
Seitenwände	abnehmbar, mit Erdungsbolzen
Dachplatte	Kabeleinführung möglich
Bodenplatte	Kabeleinführung möglich
Befestigungsprofil	2 Paar 19-Zoll-Vertikalprofile (vorne / hinten)

Technische Eigenschaften

Notfall-Belüftung	Top of the rack and front door, extracting hot air from the rack in case of cooling failure
PDU	Intelligent power management
USV-Kapazität	up to 40 kVA
Verlängerung der Autonomiezeit der USV (optional)	8 to 15 minutes
Kühlung	up to 50.4 kW (CW or DX)
DCIM	Real-time status monitor and control
Benutzeroberfläche	10.4" touch screen and remote web interface
Sensoren	Cooling system, UPS, power usage effectiveness (PUE), iPDU*, IT load, access control*, temperature, humidity and alarm status
Alarm und Benachrichtigung	Sound and light alarm with SMS and email notification
Zutrittskontrolle	Card or keypad
Brandbekämpfung	FM200-J / NOVEC 1230 rack mounted (1U / 2U)*

Versionen

Artikelnummer	Produkt	Description	Farbe	Gewicht [kg]	GTIN / EAN
40014320ZY	UPS10NB	Modular power module, 10 kVA, w/o battery	schwarz	30 kg	40393910222852
40014330ZY	UPS15NB	Modular power module, 15 kVA, w/o battery	schwarz	35 kg	40393910222845
40014340ZY	UPS20NB	Modular power module, 20 kVA, w/o battery	schwarz	37 kg	40393910222838
40014350ZY	UPS30NB	Modular power module, 30 kVA, w/o battery	schwarz	40 kg	40393910222814
40014360ZY	UPS40NB	Modular power module, 40 kVA, w/o battery	schwarz	43 kg	40393910222821
40014370ZY	B4U409	Battery module, 12V/9AH	schwarz	123 kg	40393910221060
40014380ZY	SR600X1400	Server rack, 42U	schwarz	220 kg	40393910088557
40014390ZY	NR800x1400	Network rack, 42U	schwarz	260 kg	40393910088540
40014400ZY	ER600X1400	Electrical rack, 42U	schwarz	220 kg	40393910088533
40014410ZY	BR600X1400	Battery rack, 42U	schwarz	260 kg	40393910088526
40014420ZY	COOL25	Cooling unit, 25 kW, indoor/outdoor	schwarz	830 kg	40393910223262
40014430ZY	COOL12.5	Cooling unit, 12.5 kW, indoor/outdoor	schwarz	525 kg	40393910223279
40014440ZY	COOL7.5	Cooling unit, 7.5 kW, indoor/outdoor	schwarz	375 kg	40393910223286

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

*depending on your configuration

Technische Änderungen vorbehalten

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