

SMDC – Single-rack

up to 10 kVA, internal or outdoor condenser



Description

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

This single-rack solution ensures a capacity of up to 10 kVA. It consists of a 42U rack, an integrated intelligent power distribution, an uninterruptible power supply (UPS) and a compact cooling system – either integrated up to 3.5 kW or with an in-row cooler and external condenser with a capacity of up to 12.5 kW.

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

Application

The single-rack SMDC supports edge computing, operating smart facilities with IoT devices, remote or branch offices or serves as a floor distributor (FD).

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

Propriétés mécaniques

Porte avant	avec un double vitrage trempé de 5 mm (ne s'applique pas aux refroidisseurs en rangée)
Porte arrière	en tôle d'acier massive
Panneaux latéraux	amovible, avec boulon de mise à la terre
Panneaux haut	entrée de câble possible
Panneaux bas	entrée de câble possible
Profil de montage	2 paires de profils verticaux 19" (avant / arrière)

Propriétés techniques

Ventilation d'urgence	Top of the rack and front door, extracting hot air from the rack in case of cooling failure
Boîtier d'alimentation	PDM6 input breaker, 63A/1P*1 (3 or 6 kVA) / PDM10 input breaker, 125A/3P*1 (10 kVA)
PDU	Intelligent power management
Capacité de l'onduleur	up to 10 kVA
Prolongation du temps d'autonomie de l'ASI (en option)	10 to 15 minutes
Refroidissement	in rack (up to 3.5 kW), in row (up to 12.5 kW)
DCIM	Real-time status monitor and control
Interface utilisateur	10.4" touch screen and remote web interface
Capteurs	Cooling system, UPS, power usage effectiveness (PUE), iPDU*, IT load, access control*, temperature, humidity and alarm status
Alarme et notification	Sound and light alarm with SMS and email notification
Contrôle d'accès	Card or keypad
Suppression des incendies	FM200-J / NOVEC 1230 rack mounted (2U)*

Versions

Número de matériau	Produit	Dimensions extérieures	Cooling capacity [kW]	Maximum UPS capacity [kVA]	IT load	Available space	Cooling / Condenser	Input power	Poids [kg]	GTIN / EAN
40014180ZY	SMDC 3kVA	42 U, 2000 x 800 x 1400 mm	3,5	3	2.7 kW	24 - 27 U	Rack-mounted / internal	220 - 240 VAC, 1Ph+N+PE 50/60 Hz	480 kg	40393910220995
40014190ZY	SMDC 6kVA	42 U, 2000 x 1100 x 1400 mm	5,5	6	5.4 kW	27 - 31 U	In-row / outdoor	220~240 VAC, 1Ph+N+PE 50/60 Hz	800 kg	40393910221008
40014630ZY	SMDC 10kVA	42 U, 2000 x 1100 x 1400 mm	12,5	10	9 kW	24 - 27 U	In-row / outdoor	380 - 415 VAC, 3Ph+N+PE 50/60 Hz	800 kg	40393910221169

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

*depending on your configuration

Sous réserve de modifications techniques

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