

SMDC – Single-rack

up to 10 kVA, internal or outdoor condenser



Descrizione

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.

Applicazione

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.

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
Alimentazione	PDM6 input breaker, 63A/1P*1 (3 or 6 kVA) / PDM10 input breaker, 125A/3P*1 (10 kVA)
PDU	Intelligent power management
Capacità UPS	up to 10 kVA
Estensione del tempo di autonomia dell'UPS (opzionale)	10 to 15 minutes
Raffreddamento	in rack (up to 3.5 kW), in row (up to 12.5 kW)
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	Dimensioni esterne	Cooling capacity [kW]	Maximum UPS capacity [kVA]	IT load	Available space	Cooling / Condenser	Input power	Peso [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

Con riserva di modifiche tecniche

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