

SMDC - Outdoor

door mounted cooling



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 professional cooling system, providing seamless scalability and technology upgrades with little additional cost or disruption.

This single-rack outdoor solution consists of a 42U rack, integrated uninterruptible power supply (UPS), power distribution, rectifier, lithium iron phosphate battery inverter, door-mounted cooling, fire extinguishing system, air gap sealing as well as comprehensive management software.

This compact, secure and scalable solution offers simple installation, rapid commissioning and easy maintenance.

Application

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

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

General properties

Outer dimensions (HxWxD)	42 U, 2250 mm x 905 mm x 905 mm
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Mechanical properties

Protection class	IP65
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Technical properties

Power distribution module (PDM)	Datwyler SMDC Outdoor 48VDC power system comes with standard 19-inch rack mount design with a wide range of AC inputs, intelligent battery management and remote monitoring.
Cooling	The door mounted cooling system is a professional thermal control solution provided for SMDC Outdoor. It has accumulated the features technologies to withstand the outdoor harsh environment with high level tolerance of power fluctuation with different variety of power source type AC / DC.
DCIM	Real-time status monitor and control
Access control	Card or keypad
Fire suppression	Novec 1230 or FM200 rack mounted

Versions

Material number	Product	Colour	Cooling capacity [kW]	IT load	Available space	Input power
41905004ZY	SMDC Outdoor	grey	1.5	3 kW	27 - 31U	208-240V/1-2P/50-60Hz

Subject to technical modification

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