StackDC Specifications

Standard Features

StackDC type	Comfort	Revolution
ICT power	2.5 kW	5/6.5 kW
Input power	230 V, 16 A char. C, 50–60 Hz	400/230 V, 16–40 A char. C, 50–60 Hz
Rack power distribution	From 1+0 up to 3+3 Altron Smart PDUs	from 1+0 up to 3+3 Altron Smart PDUs
UPS autonomy time	3–10 min	3–10 min
Real-time monitoring	Altron Infrastructure Monitoring (AIMON)	Altron Infrastructure Monitoring (AIMON)
Intelligent Management System	Altron Smart Management Unit (ASMU)	Altron Smart Management Unit (ASMU)
U-positions for ICT	37 U	29/27/25 U
Dimensions	750 × 1200 × 1970 mm (w × d × h)	750 × 1200 × 1970 mm (w × d × h)
Weight	300 kg	320/340/380 kg
Colour	Black RAL 9005, White RAL 9010	Black RAL 9005, White RAL 9010
Operating conditions	−10 °C to 50 °C	−10 °C to 50 °C
Type of cooling	Altron Smart Ventilation Unit	Direct Expansion
Air temperature for ICT equipment	Depends on room temperature	18 °C to 27 °C
IP protection	IP 20	IP 54
Fire alarm system	✔	✔
Electronic access and security system	✔	✔

Why Altron?

With 30 years' experience in all aspects of data centres and mission-critical technologies, we build state-of the art solutions for a wide range of clients.

We do so by offeringa complete service, from consultancy and design to data centre operation, maintenance and management.

Our R&D team actively contributes to the development of the global data centre sector by inventing and developing innovative solutions.

ALTRON

StackDC

A tailored solution integrating the best technologies in the industry.

ALTRON MICRO DATA CENTRE

WINNER
VIZIONÁŘI 2018
Micro DC

ACCESS YOUR SUCCESS

ALTRON.NET

StackDC at a glance

StackDC is a unified infrastructure, which fully integrates electric, cooling, security and monitoring systems in one secured enclosure. StackDC delivers instant IT capacities without any construction work. Just add your IT equipment.

Features

A safe and highly accessible IT environment is the foundation of practically any business today. Our original StackDC has been developed as a suitable foundation for consolidating IT infrastructure.

IT ready solution in one rack

- A modern, prefabricated alternative to a server room.
- Pre-manufactured and pre-tested prior to delivery and deployment to client site, minimizing any construction work.
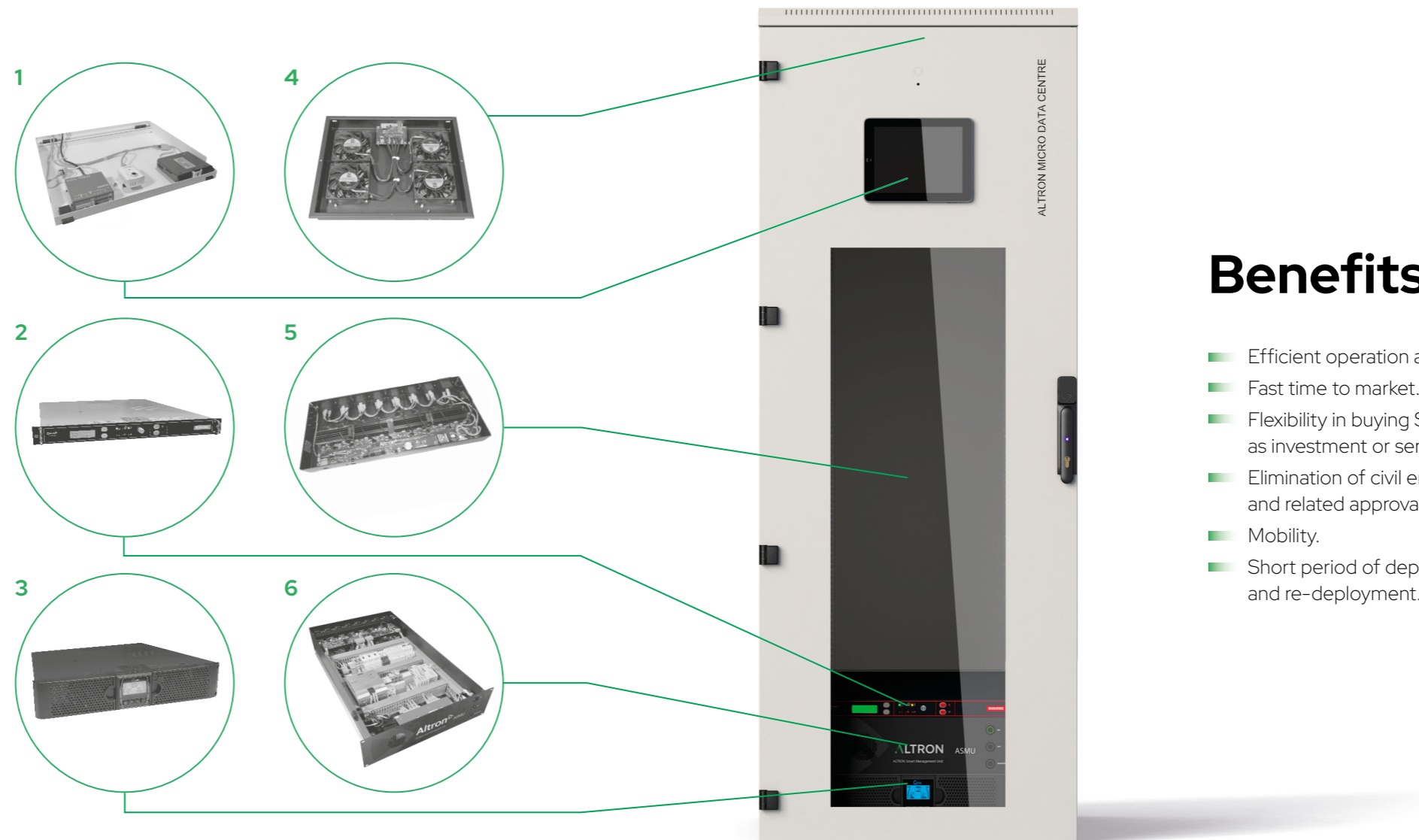
Unique Design & Components

- The heart of the StackDC is the Altron Smart Management Unit. This unit integrates electric, cooling, monitoring and security systems.
- The Altron Smart Management Unit (ASMU) is an advanced smart power distribution with monitored, metered and switched power distribution units.
- Altron Smart Ventilation Unit & Smart Cooling Unit.

Protecting Critical ICT Equipment

- Altron Smart PDUs (ASPDU) provides real-time power metering and configuration of individual outlets: overcurrent and short current protection.
- Eliminating power source failure through soft start results in extended ICT resistance and lifetime.
- A local power outlet failure does not affect the whole ICT system availability.

Applications

- Digital infrastructures: government, city municipal authorities, telecommunications networks, smart cities, Internet of Things (edge computing).
- Transition to hybrid cloud.
- Reconstruction of existing server rooms.
- Military operations require robust, mobile, and easy to deploy solutions in the harsh environments of military bases and remote operations.
- Industrial applications: exploration, research, and manufacturing.
- Healthcare sector.
- Branch offices of banks, insurance companies, telco operators and government bodies.

Benefits

- Efficient operation and low OPEX.
- Fast time to market.
- Flexibility in buying StackDC either as investment or service.
- Elimination of civil engineering works and related approvals.
- Mobility.
- Short period of deployment and re-deployment.

1	Visualization Module	4	Altron Smart Ventilation Unit
2	Fire extinguishing	5	Altron Smart PDU
3	UPS	6	Altron Smart Management Unit