

# Altron<sup>®</sup>

# Mobile DC

Plug & Play Data Center  
Deployed in 12 weeks  
Re-deployed in terms  
of hours.



[www.altron.net](http://www.altron.net)

Mobile DC includes power distribution, thermal management, control and ancillary systems installed in customized or standard ISO container. All integrated and preconfigured to create complete environment for efficient and reliable operations.

## Features

Unified infrastructure solution that enables faster deployment thanks to pre-fabricated solution delivered as a single, plug-and-play system.

### Design and Delivery

- Integrated Design and Implementation process allows continuous improvements
- Single vendor responsibility to schedule and coordinate the solution design, installation and operations support

### Tailored Services

- Altron services from right-sizing, design, production, testing and commissioning and maintenance programs tailored to client needs
- Altron warranty and support by international in-house service team

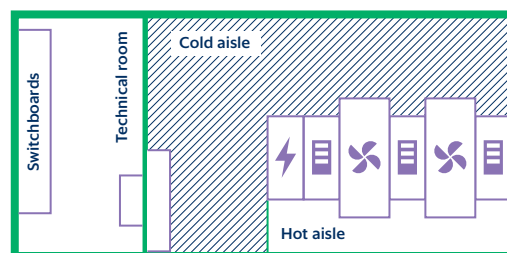
### Main configuration parameters

- ICT load: up to 200 kW in single ISO unit
- Number of Racks: up to 15 modules
- Tier classification: TIER I-III
- Environmental conditions: ranging from -40 °C to +55 °C

## Options

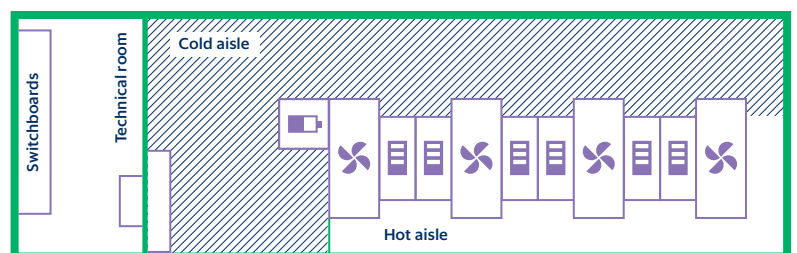
### Series 20

6 metres / up to 35 kW / 126 U-positions



### Series 30

9 metres / up to 50 kW / 294 U-positions

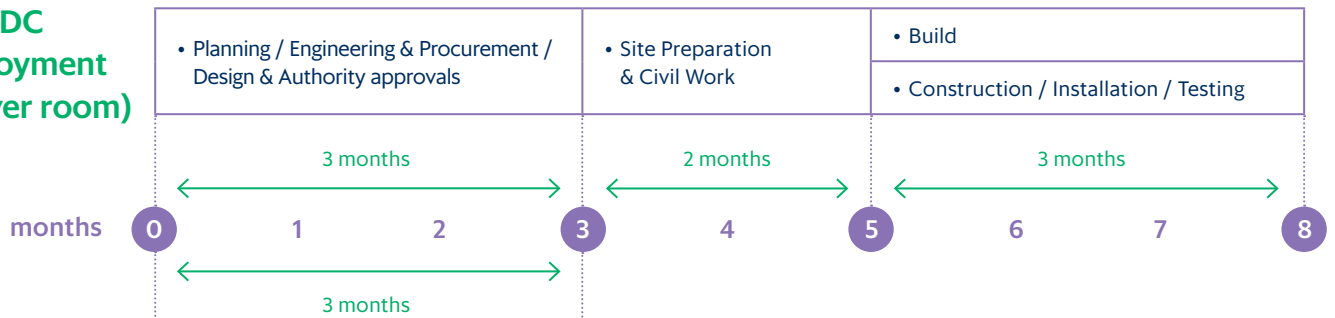


# Applications

- Rapid Expansion – eliminates complicated construction timelines and higher TCO
- Remote Locations deployment
- Disaster Recovery sites

- Ruggedized Military solution-transportable or fully mobile feature
- Military, medical and humanitarian missions
- Natural disaster areas i.e. earthquake, floods, fire, hurricane
- Difficult or lengthy construction permission site – Airport, Ports, Military compounds

## Mini DC deployment (server room)



## Mobile DC deployment

- Product configuration & Manufacturing
- Staff Training
- Site preparation
- Transportation & Installation
- Testing & Commissioning / Staff training



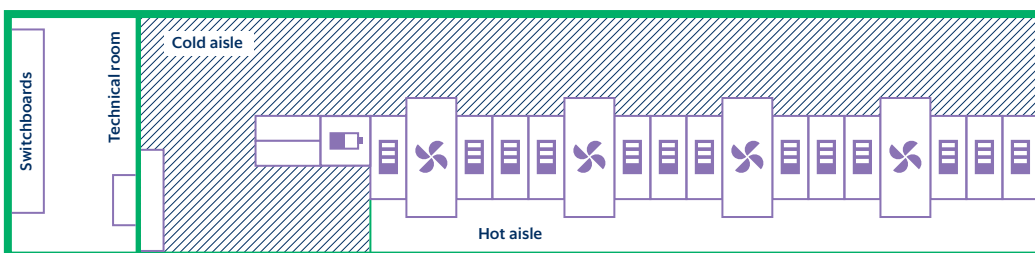
## Series 40

12 metres / up to 90 kW / 378 U-positions



## Series 40

12 metres / up to 200 kW / 546 U-positions



# Mobile DC Specifications

	MDC 40	MMDC 40	MMDC 20
Modularity	No	Yes	Yes
Tier compliance	I-III	I-III	I-III
ICT power	48 kW–200 kW	48 kW–90 kW	15 kW–35 kW
Dimensions	ISO 40 AA or 12192 × 3500 × 2896 mm*	ISO 40 AA or 12192 × 3500 × 2896 mm*	ISO 20 1CC or 6058 × 3500 × 2591 mm
Input power voltage (nominal)	Three phase 400V, 50Hz, TN-S	Three phase 400V, 50Hz, TN-S	Three phase 400V, 50Hz, TN-S
Rack power distribution	2x standard PDU zero U with C13 and C19 socket	2x standard PDU zero U with C13 and C19 socket	2x standard PDU zero U with C13 and C19 socket
UPS	20 kW–220 kW	20 kW–120 kW	20 kW–60 kW
Battery	VRLA	VRLA	VRLA
Battery runtime	7 min.–10 min.	7 min.–10 min.	4 min.–7 min.
Cooling method	DX (Direct Evaporization, Indirect Free Cooling)	DX	DX (Inroom Cooling)
Cooling capacity	75 kW–250 kW	45 kW–125 kW	20 kW–60 kW
Enclosure	min. 600 × 1000 × 42U	min. 600 × 1000 × 42U	min. 600 × 1000 × 42U
U-position for ICT	252U–546U	252U–462U	84U–126U
Outdoor operating temperature	(–40 °C / +55 °C)	(–40 °C / +55 °C)	(–40 °C / +55 °C)
Fire extinguishing system	Novec 1230 / FM 200	Novec 1230 / FM 200	Novec 1230 / FM 200
Alarm security and emergency system	Yes	Yes	Yes
Electronic access control	Yes	Yes	Yes
CCTV	Yes	Yes	Yes
Monitoring system	Yes	Yes	Yes
Structured cabling system	Optional	Optional	Optional

\* dimensions without external cooling units



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[www.altron.net](http://www.altron.net)

## Why Altron?

- 26 years in all ranges of data centre & critical technology solutions to match market needs.
- Design, Build, and Operation; industry specific know-how and local quality.
- Integral software solution; to maximize availability, control and orchestrate all infrastructure components.

**More than a Data Center**