



# **ModSecur<sup>®</sup>** *Data Center Solutions*

## TECHNICAL DATA SHEET

### MODSECUR MICRO DATACENTER

The ModSecur<sup>®</sup> Micro Datacenter is a complete, autonomous system that includes HVAC, a fire detection and suppression system, physical and logical security, a UPS, and a DCIM management system (ModSecur<sup>®</sup> EMS) that allows for real-time remote monitoring of the infrastructure. Regarding the availability and resilience of the ModSecur<sup>®</sup> MDC, it can be equipped with redundant HVAC and power systems (UPS), thus ensuring the availability, continuity, and resilience of the infrastructure.

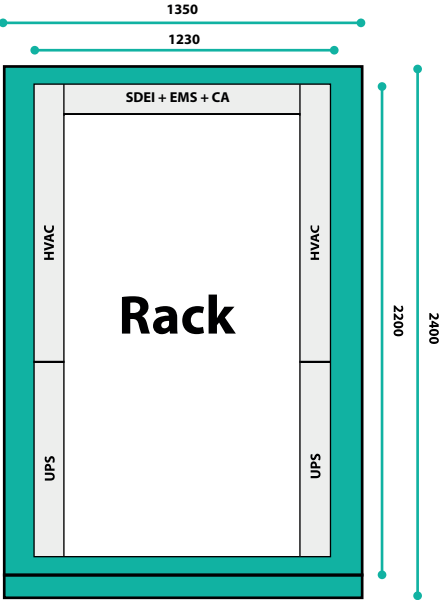
HVAC and power systems ensure not only infrastructure availability but also energy efficiency, using modulating and digital systems, as well as free cooling solutions. The inclusion of these types of solutions allows for an exponential reduction in infrastructure energy costs and helps reduce companies' ecological footprint.

The ModSecur Micro Datacenter is a turnkey solution, and **certified to IP65 and IK10 standards.**

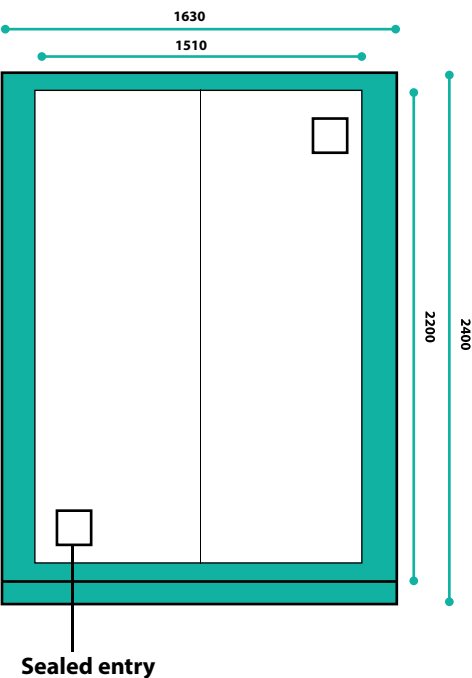
# MODSECUR MICRO DATACENTER

MDC Simple 42U (1350x2400x1630)

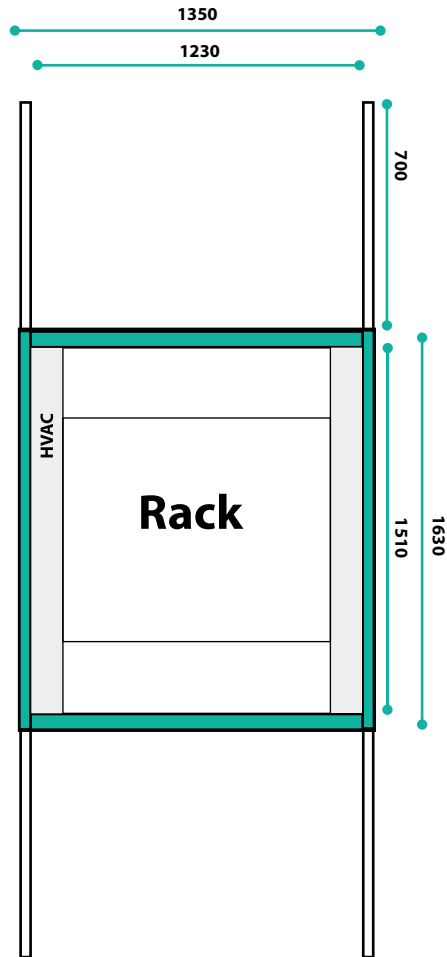
Front view



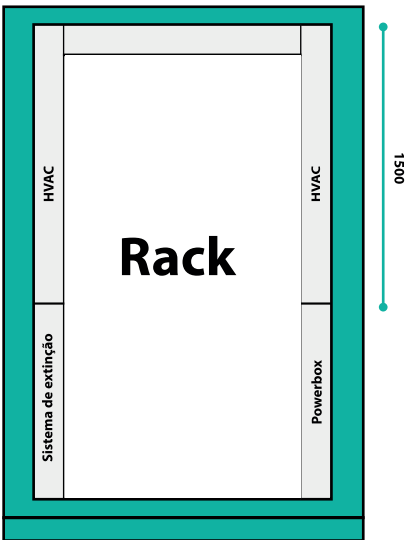
Right side view



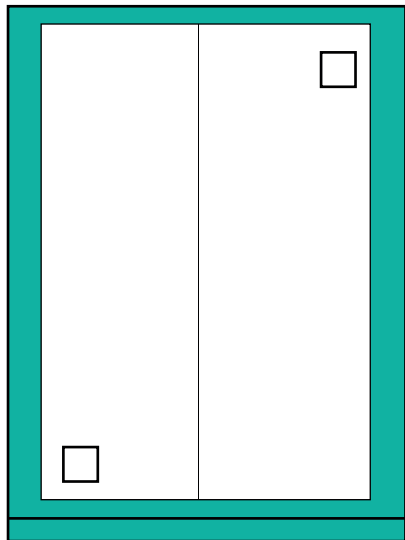
Top view



Rear view



Left side view



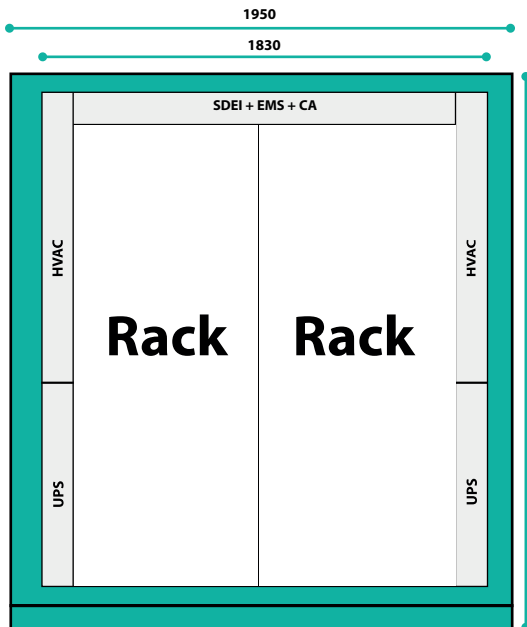
42U Rack - 800 x 1200 mm | Approximate weight of the structure: 1150 kg

- Exterior structure
- Equipment inside

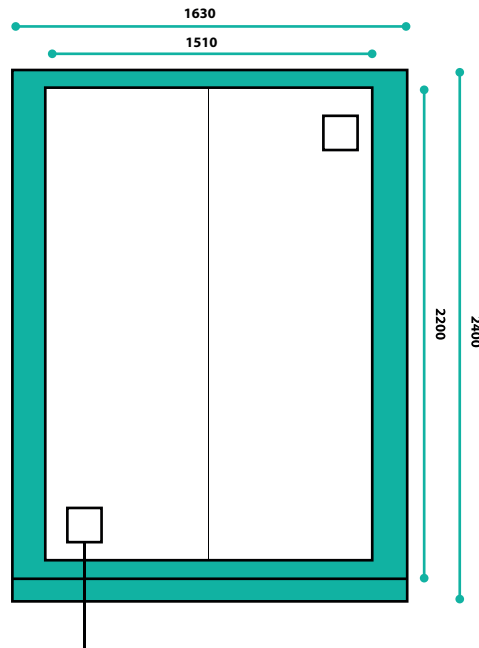
# MODSECUR MICRO DATACENTER

MDC Double Rack 42U (1950x2400x1630)

Front view

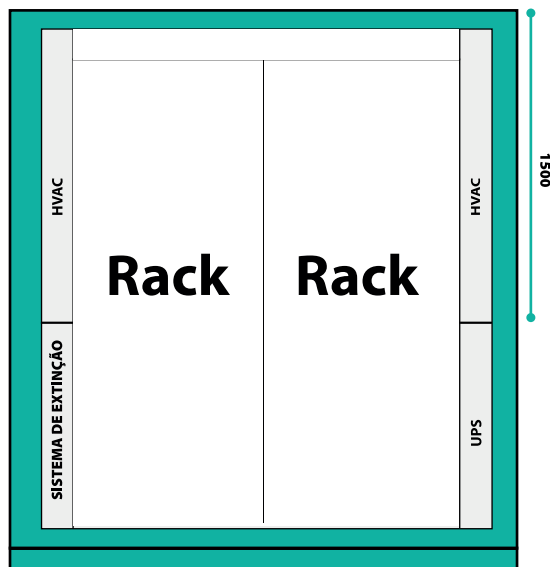


Right side view

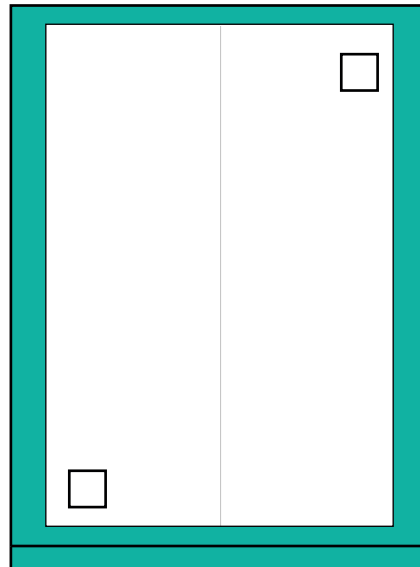


Sealed entry

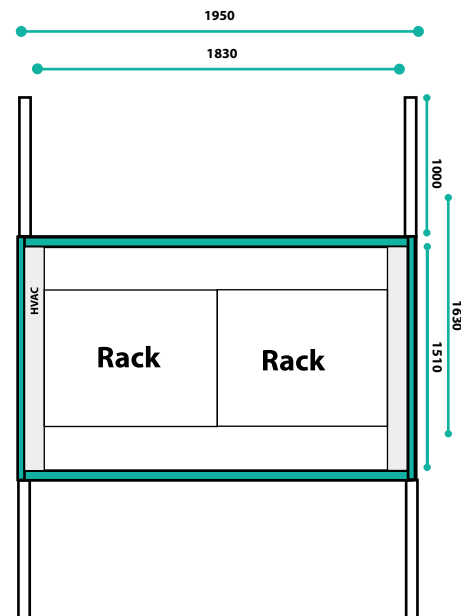
Rear view



Left side view



Top view



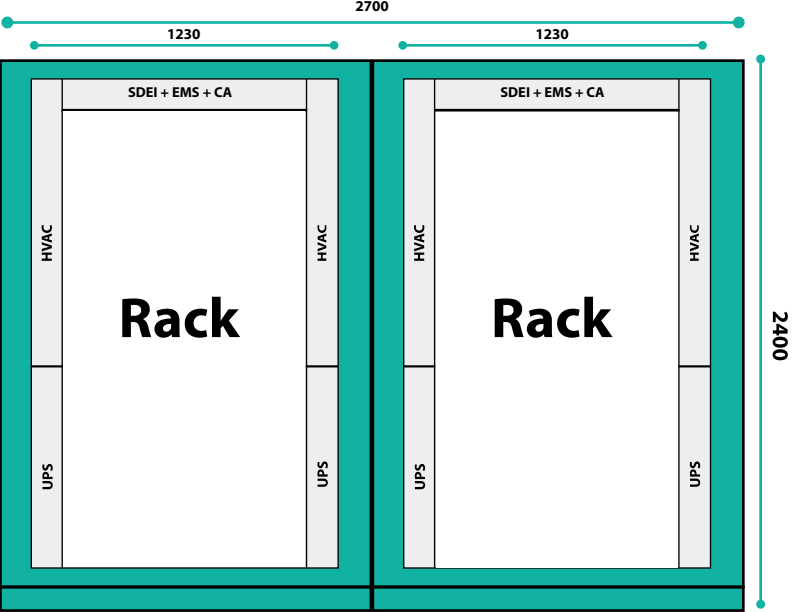
Racks: 42U - 800 x 1200 mm; 42U - 600 X 1200 mm/42U | Approximate weight of the structure: 1300 kg

- Exterior structure
- Equipment inside

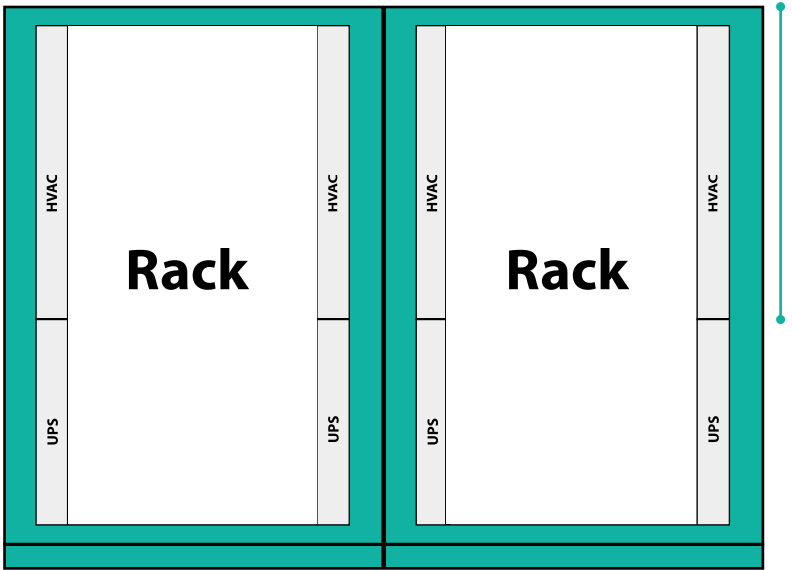
# MODSECUR MICRO DATACENTER

MDC Aggregate 2x42U (2700x2400x1630)

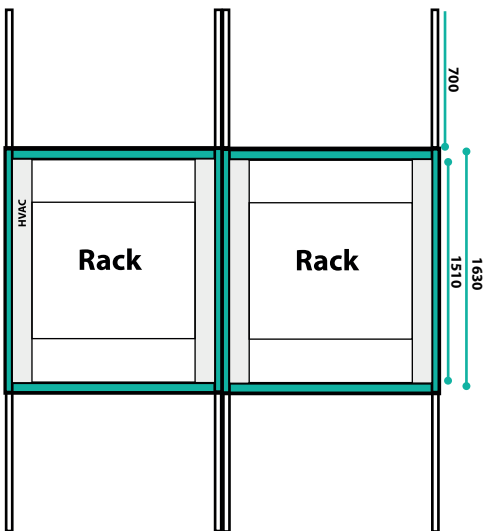
Front view



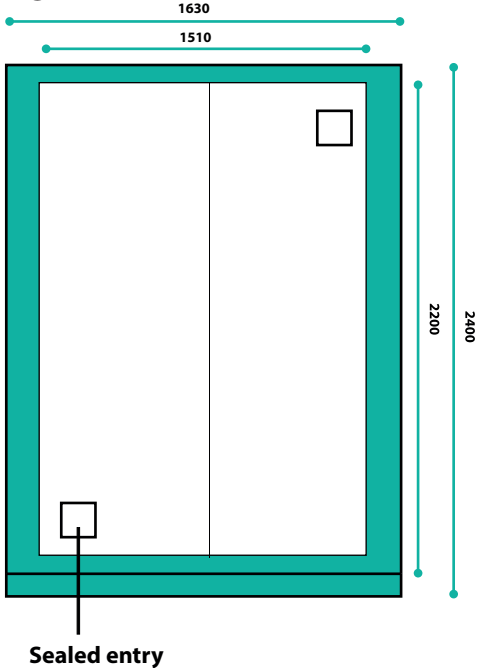
Rear view



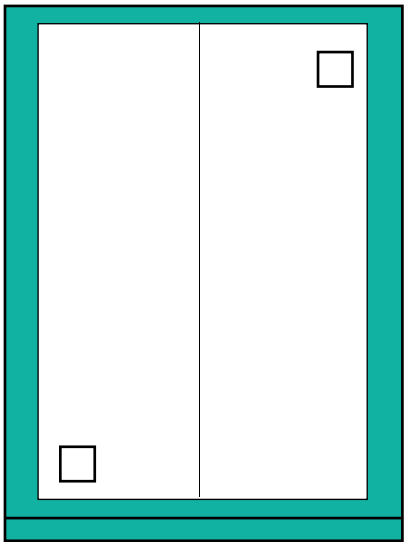
Top view



Right side view



Left side view



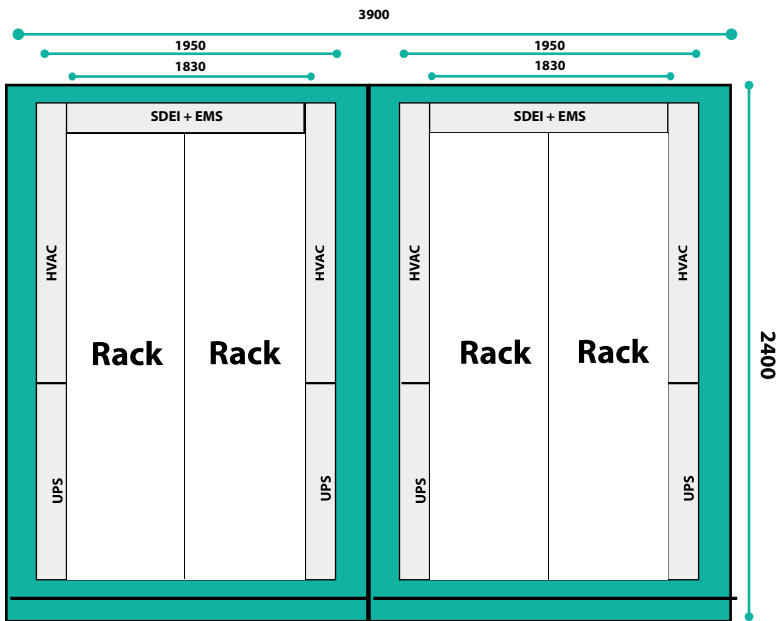
Racks: 800x1200/42U

- Exterior structure
- Equipment inside

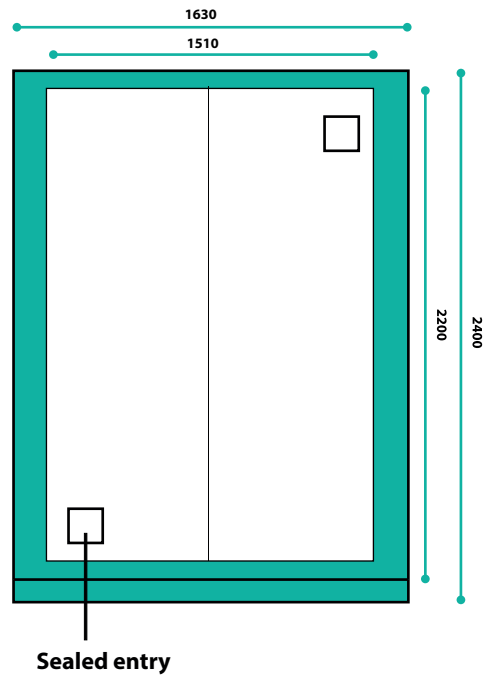
# MODSECUR MICRO DATACENTER

MDC Double Aggregate 4x42U (3900x2400x1630)

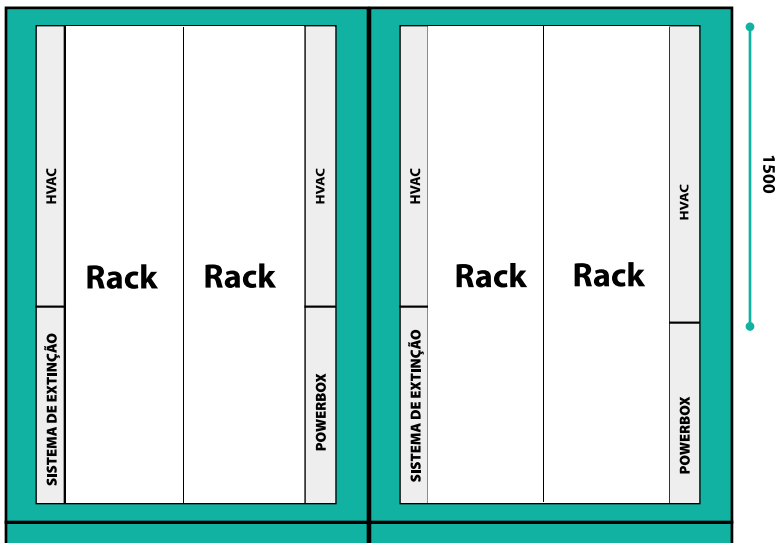
Front view



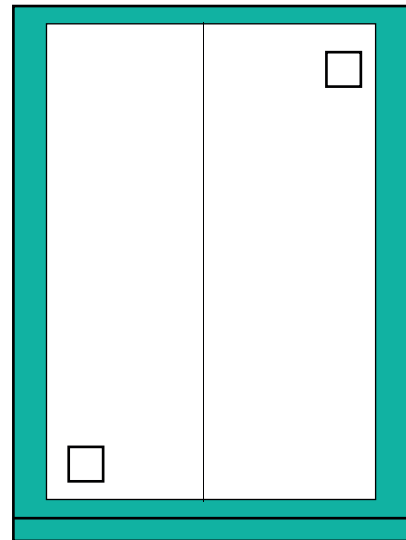
Right side view



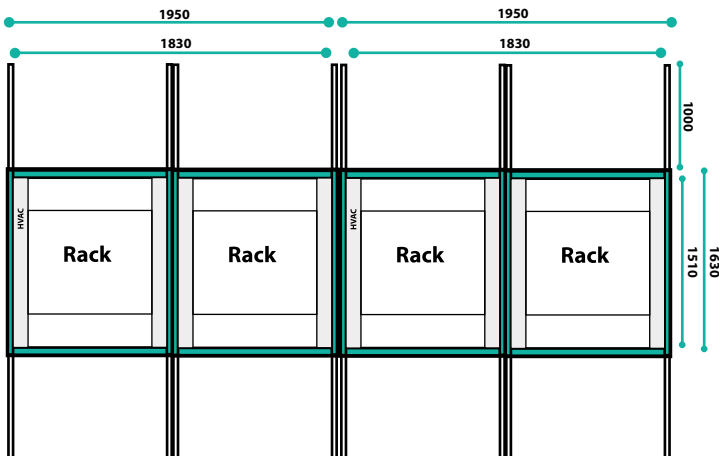
Rear view



Left side view



Top view



Racks: 800x1200/42U

Exterior structure  
Equipment inside

# MODSECUR MICRO DATACENTER

High thermal insulation;  
Fire panels



- UPS
- Fire panel
- ModSecur EMS
- HVAC units
- IT Rack
- Access control system
- Powerbox



## PROTEÇÃO CONTRA



fire



vandalism



humidity



dust



fume

## TECHNICAL DATA SHEET

# MODSECUR MICRO DATACENTER

Quick replacement modular systems



Fire panel



Access control



UPS bypass



Powerbox



UPS



### Modular and hot-swappable architecture

Hot-swappable technology, combined with a redundant infrastructure (N+1/N+N), allows for real-time technical interventions with complete security, without compromising system stability or operational continuity. This capability is particularly relevant in contexts such as edge computing, remote facilities, Industry 4.0, telecommunications, or highly critical infrastructures.



### High availability

The ability to intervene quickly without downtime directly translates into high availability. In a micro data center, this feature is critical to ensuring service continuity, reducing operational risks, and keeping the infrastructure always accessible, even during maintenance or component replacements. Fewer interruptions mean greater reliability and consistent performance.



### Reduced downtime and guaranteed SLA

This functionality is especially relevant in environments where physical access is limited or where the SLA requires high availability (typically >99.9%). In addition to significantly reducing MTTR (Mean Time to Repair), hot swapping facilitates predictive and corrective maintenance without compromising system operation.

# MODSECUR MICRO DATACENTER

Create your MDC by choosing the options

MDC S C 2R P 2R S 1 CASC P F 9003

## ModSecur Networking

Height	Model
42U	Simple
42U	Double

## ModSecur Cooling - C

2.6 Kw	2
5.0 Kw	5
6.0 Kw	6
1.5 Kw (600mm rack required)	12
20 Kw (600mm rack required)	20
Redundancy	R

## ModSecur Power - P

2Kva	2
3Kva	3
5Kva	5
6Kva	6
10Kva	10
Redundancy	20

## ModSecur Security - S

Electric lock wk1 (RC1)	1
Electric lock wk2 (RC2)	2
Electric lock wk3 (RC3)	3
Electric lock wk4 (RC4)	4
Smart card access control	CASCP
Fingerprint access control	CAFP

## Finishing - F

Black Epoxy Paint RAL 9005	9005
White Epoxy Paint RAL 9003	9003

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