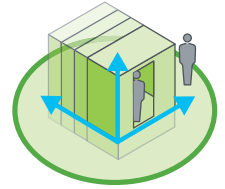


MV/LV prefabricated substation



# Clipper M range

Tailor-made substations in metal,  
up to 3150 kVA

PM102383



Clipper M27 - fully I.E.C. tested

PM102385



Clipper M10" container

## Purpose

Clipper container is a range of tailor-made MV/LV prefabricated substation dedicated to underground networks.

Rated power up to 3150 kVA.

These substations are mainly devoted to mobile or temporary energy supply.

## Standards

Designed in accordance to IEC 62271-202.

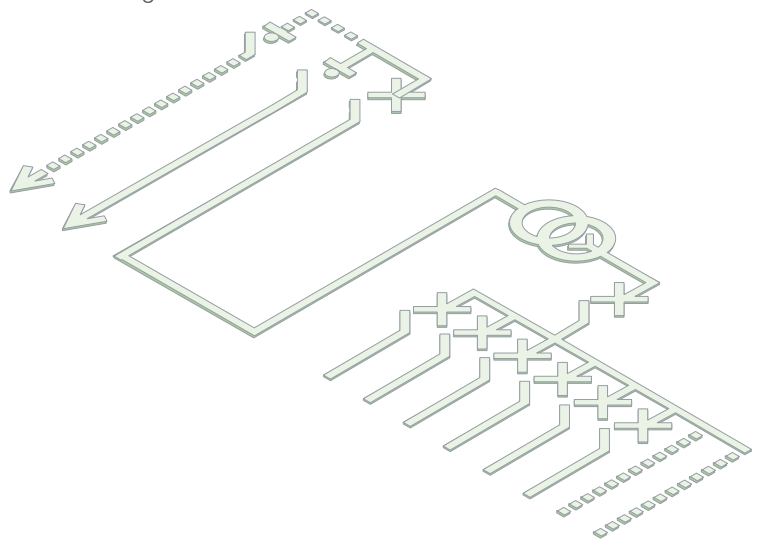
Manufactured in accordance with ISO 9001 and ISO 14001.

## Design

The modular design of Clipper container allows any adaptations depending on its use:

- Basic frame, support legs or on skids
- Truck or trailer mounted for emergency power supply
- Containers type matching to dimensions and lifting requirements for international freight

DM102251



## Enclosure

- Enclosure made of hot galvanized metal sheet
- Frame: standard ; on skids; on trailer; on truck; on legs
- Outdoor or indoor operation
- Modularity of the length
- Access to equipment by single or double doors on all sides of the enclosure
- Option:
  - Enclosure in aluminum
  - Segregated compartments
  - Thermal insulation and/or air conditioning
  - Specific ventilation or overpressured room to avoid pollution or dust effect
  - Retention tank
  - C5M classification for harsh environments

## Application

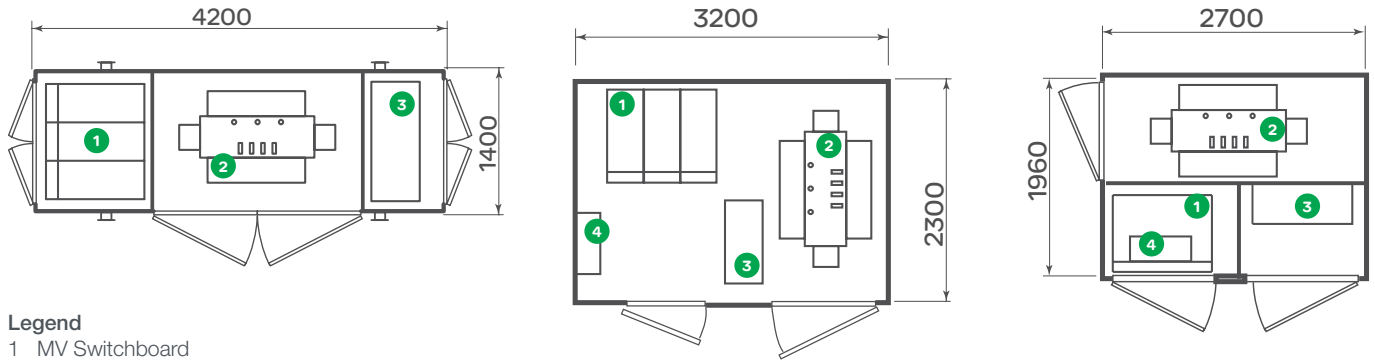
- Utilities
- Primary distribution
- Industries
- Railways
- Wind farm
- Solar
- Oil & Gas

## Equipment

- MV switchboard: all types of MV switchboard fixed or withdrawable
- Transformer: Oil or dry type up to 3150 kVA (according to dimensions)
- LV switchboards: fuses, circuit breaker, fixed or withdrawable panels
- MV and LV connection (cables or busbar)
- Earthing circuit, internal lighting
- Optional equipment:
  - Remote Terminal Unit: Easergy T200
  - Fault Passage Indicator: Easergy Flair or Dax
  - Public lightning cabinet
  - LV metering
- Other equipment:
  - Inverters
  - APFC
  - Generator...

# Clipper M range

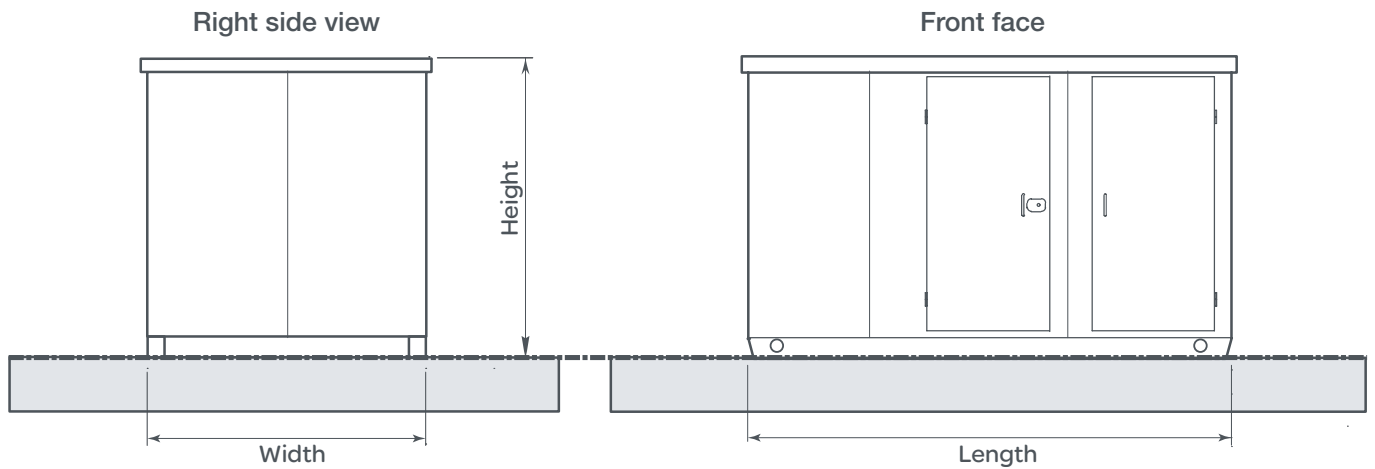
## Examples of layout



### Legend

- 1 MV Switchboard
- 2 Transformer
- 3 Low voltage panel
- 4 Remote control unit

## Dimensions and capabilities



	Range	Type	Length (mm)	Width (mm)	Height (mm)
Dimensions of standard products	Clipper M	14	1400	1400	2250
	Clipper M	27	2700	1960	2220
	Clipper M	32	3200	2400	2400
	Clipper M	37	3700	1960	2220
	Clipper M	42	4200	2300	2620
	Clipper M	50	5000	2300	2570
	Clipper M	55	5500	2300	2570

Dimensions of these substations can be adapted on request - please consult us

# Clipper M mobile substations on trailer or on truck



Clipper M on trailer

These trailer or truck mounted MV/LV substations are a perfect solution for temporary or emergency power supply.



Clipper M on trailer with cable roller



Clipper M on truck with cable roller

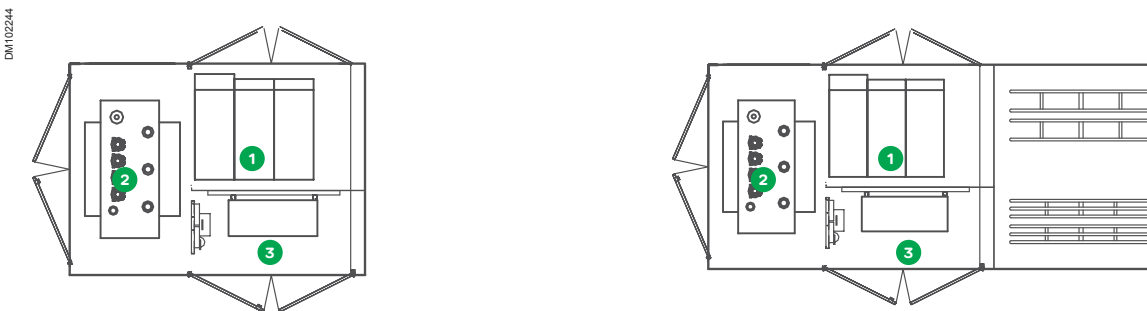
## Advantages

- Speed of intervention
- Complete substation ready to connect with MV and LV cables on a roller support.

## Applications

- Refurbishment of a substation
- Network upgrade
- Maintenance of service continuity in case of general breakdown
- Rental.

## Examples of layout



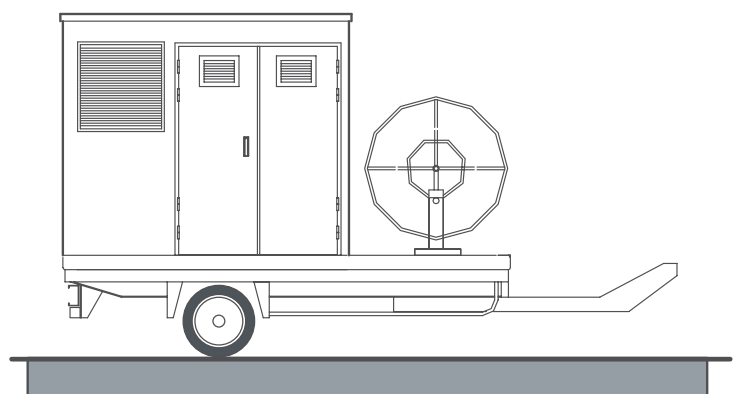
### Legend

- 1 MV Switchboard
- 2 Transformer
- 3 Low voltage panel

## Dimensions and capabilities



Clipper M 80 RDS on trailer



Clipper M on trailer with cable roller

Range	Type	Length (mm)	Width (mm)	Height (mm)	Oil transformer
Clipper M	Trailer	2800	1900	2240	630 kVA
Clipper M	Truck	3030	2300	2370	630 kVA

Dimensions of these substations can be adapted on request

# Clipper M container



Clipper M 10' container



Clipper M container on removable self-support's legs



Clipper M on truck with cable roller



Self-standing primary MV/MV substation with side opening walls, allowing additional space of operation

We have adapted our Clipper M substation to match the dimensions and lifting requirements of containers used in international freight (rail, sea or road transport).

## Advantages

- Easy transportation thanks to the standard transport rules design
- Possibility to integrate self-support's legs that allows unloading out of the truck without a crane

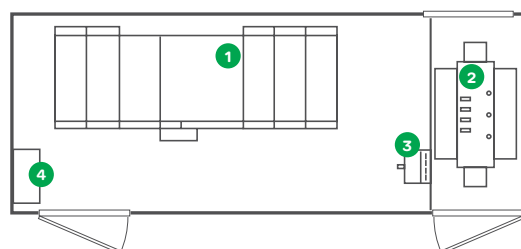
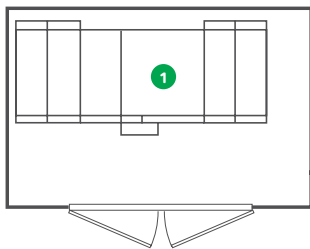
## Options

- ISO 668 standards corners
- Thermal insulation
- Air conditioning

## Applications

- Utilities
- Primary distribution
- Industries
- Railways
- Wind farm
- Solar
- Oil and gas

## Examples of layout



### Legend

- 1 MV Switchboard
- 2 Transformer
- 3 Low voltage panel
- 4 Metering

## Dimensions and capabilities

Range	Type	Lenght (mm)	Width (mm)	Height (mm)	Oil transformer
Clipper M	10''	2990	2200	2591	1000 kVA
Clipper M	20''	6058	2436	2895	2500 kVA
Clipper M	40''	12192	2436	2896	2500 kVA


Dimensions of these substations can be adapted on request

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