| General description:

Range of versatile outdoor cabinets designed for installation of 23" / 21" / 19" devices and "front terminal" VRLA batteries.
Wide range of available heights and optional equipment allows to adjust the product to the requirements.

| Application:

+ telecommunications and teletransmission;
+ IT applications.

| Features:

+ robust design: excellent protection against corrosion, dust, vandalism and intrusion;
+ double aluminum or steel walls – air coat forms a natural thermal insulation;
+ ingress protection: standard cabinets have got protection degree IP 54, if required it can be increased up to IP 55;
+ ingress protection matched to the requirements:
  - standard cabinets have got protection degree IP 54, if required it can be increased up to IP 55,
  - single wall cabinets have got protection degree IP 20;
+ wide range of available heights;
+ resistance to harsh climatic conditions;
+ thermodynamic functions of the cabinet:
  - heating during periods of low temperature or high humidity (option),
  - ventilation during periods of high temperatures;
+ integrated intelligent cooling and ventilation systems (climate management): the fan speed is smoothly regulated in the function temperature (as a result: the smaller the amplitude of the internal temperature fluctuations and reduced noise);
+ different temperature zones in a single cabinet;
+ flexible configuration of the cabinet's interior;
+ flexible configuration of the cable connection:
  - available type of glands (Ergom, Multigate, Roxtec):
  - possibility of connect the cables from the top (specially designed roof), or bottom (glands in the floor or in a specially prepared cabinet's plinth);
+ possibility of wiring from top and bottom of cabinet – cable glands located in roof or base;
+ the possibility of the installation of 23" devices and 19" or 21" devices after installation of reduction brackets;
+ adjustable battery shelves;
+ ease of transportation through the use handles (lifting elements in the roof part) (option);
+ the possibility for remote monitoring of cabinets and devices installed inside.

| Cabinet design:

Cabinets have a single (IP20) or double (IP54/IP55) aluminum or steel walls and are designed for mounting on a concrete foundation or metal rack adapted to the pedestal cabinet. The cabinets are available in three different heights.

All the main elements of the cabinet have galvanic connection.

We also supply cabinets according to individual customer needs, for example with underground plinth, combined modular cabinets.

Optional / configurable elements:
+ number and type of ventilators;
+ additional insulation of cabinet's base (only for cable glands located on cabinet's roof);
+ cable glands localization (cabinet's roof / base);
+ reduction brackets 19" or 21";
+ ventilation: type / number of fans;
+ fan heater 500W / 230V for battery;
+ fan heater 500W / 230V for loads;
+ air-conditioner;
+ shelf separating two zones of the cabinet (e.g. batteries and loads);
+ fixed battery shelf;
+ movable battery shelf;
+ AC or DC distribution panels (option);
+ hooks for transportation by crane.

| Safety and Environmental aspects:

During the system design process following aspects related to environmental protection have been taken into consideration:

+ compliance with the European Union's directive RoHS - restrict the use of certain hazardous substances,
+ compliance with the European Union's directive WEE regarding waste of electrical and electronic equipment,
+ compliance with the European Union's directives LVD and EMC - electrical safety and electromagnetic compatibility.

Basic parameters of the cabinet:

General data:

External dimensions	mm	756 x 803 (W x D)
External dimensions	mm	1321 / 1500 / 1748 (H)
Operating height	-	19U / 27U / 31U / 36U
Maximum load capacity	kg	1000
Ingress protection	-	IP 20 / IP 54 / IP 55
Lock	-	three-point
Material	-	steel / aluminum
Coating	-	powder paint color: RAL 7035

Ventilation:

Number of fans*	-	1 / 2 / 3 / 4
Fan power / Airflow	-	34W / 6 m³/min 96W / 17,5 m³/min
Noise	dB	67 @ 34W fan 74 @ 96W fan
Filtration class	-	G3

* - Number and type of fans depends on the height of the cabinet and type of door