



Self-Propelled Mobile BTS System

Self-propelled mobile BTS system is designed and manufactured for communication coverage of the GSM/3G/4G networks.

Main parts of the system:

- Communication container
- 6-ton truck
- 18m electrical/winch mast (minimum length of 3.2m)
- BTS/battery rack
- 15KVA power generator
- Electrical jack for disconnecting the container
- Mast holder
- BTS antenna

Capabilities

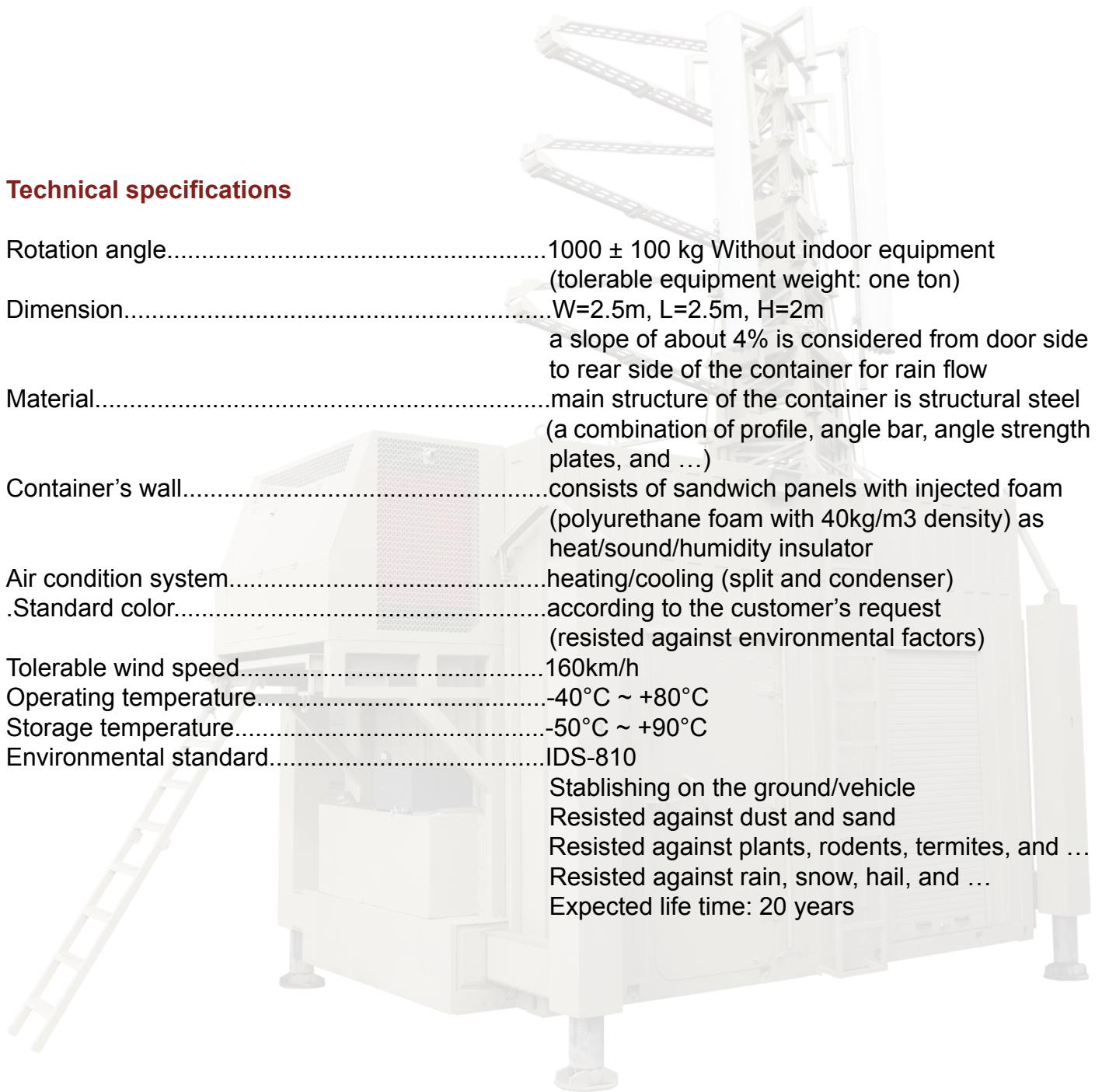
- Vehicular/stationary operation
- Vertical installation of the mast and BTS antenna for easy operation and setting up
- Operating with power generator and Mains power supply
- Quick installation and setting up
- Light weight container using sandwich panel and strengthened structure
- Installing on a 6-ton truck for easy traffic
- Electrical jack for disconnecting the container from truck and installing it on the ground or vice versa
- Winch mast with high load tolerance up to 800kg, about 4m² FPA, minimum weight of about 750kg, and power of erecting with up to 600kg weight
- Special stainless and anti-theft fittings
- Operating in different climatic/environmental conditions
- Ergonomic design
- Easy access to the container equipment via its all sides
- Quick lock for easy disconnecting the container from truck
- Metallic fan
- Light system
- Equipped with trestle to prevent the jacks from over load
- Fuel backup tank of power generator
- Accommodation for the guard (tent, light, parasol, tool box, first aid kit, fire extinguisher, and ...)

BTS Container

In order to install communication equipment inside a system and transporting it to different centers with several applications, these types of containers are considered. In addition, they are used where constructive operations cannot be accomplished or is not economical.

BTS communication containers are designed according to the customer's required dimension and technical specifications as well as considering their indoor arrangement of equipment.

Technical specifications



Rotation angle.....	1000 ± 100 kg Without indoor equipment (tolerable equipment weight: one ton)
Dimension.....	W=2.5m, L=2.5m, H=2m a slope of about 4% is considered from door side to rear side of the container for rain flow
Material.....	main structure of the container is structural steel (a combination of profile, angle bar, angle strength plates, and ...)
Container's wall.....	consists of sandwich panels with injected foam (polyurethane foam with 40kg/m ³ density) as heat/sound/humidity insulator
Air condition system.....	heating/cooling (split and condenser)
.Standard color.....	according to the customer's request (resisted against environmental factors)
Tolerable wind speed.....	160km/h
Operating temperature.....	-40°C ~ +80°C
Storage temperature.....	-50°C ~ +90°C
Environmental standard.....	IDS-810 Stablishing on the ground/vehicle Resisted against dust and sand Resisted against plants, rodents, termites, and ... Resisted against rain, snow, hail, and ... Expected life time: 20 years