

SolarInnovate Energy Solutions

**Where does the EMS signal
from the communication base
station go**



Overview

How does EMS radio communication work?

It may also convert the signal to a telephone signal and send the communications through public or dedicated telephone lines. EMS radio communication takes place in the VHF low band, VHF high band, and UHF band. VHF low band is the radio frequencies from 32-50 megahertz (MHz).

How does EMS rebroadcast a radio signal?

Some rebroadcast by converting signals to radio and others do so by converting to microwaves. It may also convert the signal to a telephone signal and send the communications through public or dedicated telephone lines. EMS radio communication takes place in the VHF low band, VHF high band, and UHF band.

What frequency does EMS radio communication take place in?

EMS radio communication takes place in the VHF low band, VHF high band, and UHF band. VHF low band is the radio frequencies from 32-50 megahertz (MHz). They are able to follow the shape of the earth allowing communication over long distances. These frequencies are more susceptible to interference from, weather, buildings, and electrical equipment.

Why is communication important in EMS?

Communication in EMS is essential. Patients must be able to access the system, the system must be able to dispatch units, EMTs must have a means of communicating with medical direction and receiving facility, and EMTs must be able to communicate vital information to other personnel.

What is a base station?

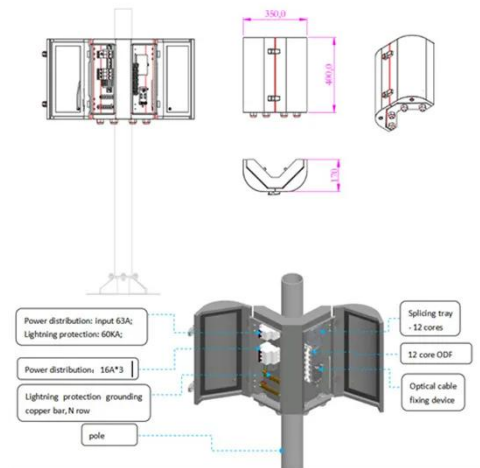
A base station is a radio operated from a fixed site such as a dispatch center, hospital, or some other location. It usually runs off community electrical power and transmits at much higher power than smaller, portable radios. Alternative

power in the form of generators or a set of batteries are usually available.

How do you call EMS?

In many states, there are established training and performance standards for dispatch personnel. The most common method for accessing the EMS system is the telephone. In the late 70's and early 80's, callers became able to call 9-1-1 instead of worrying which number to call.

Where does the EMS signal from the communication base station go



Simulation and Classification of Mobile Communication Base Station

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