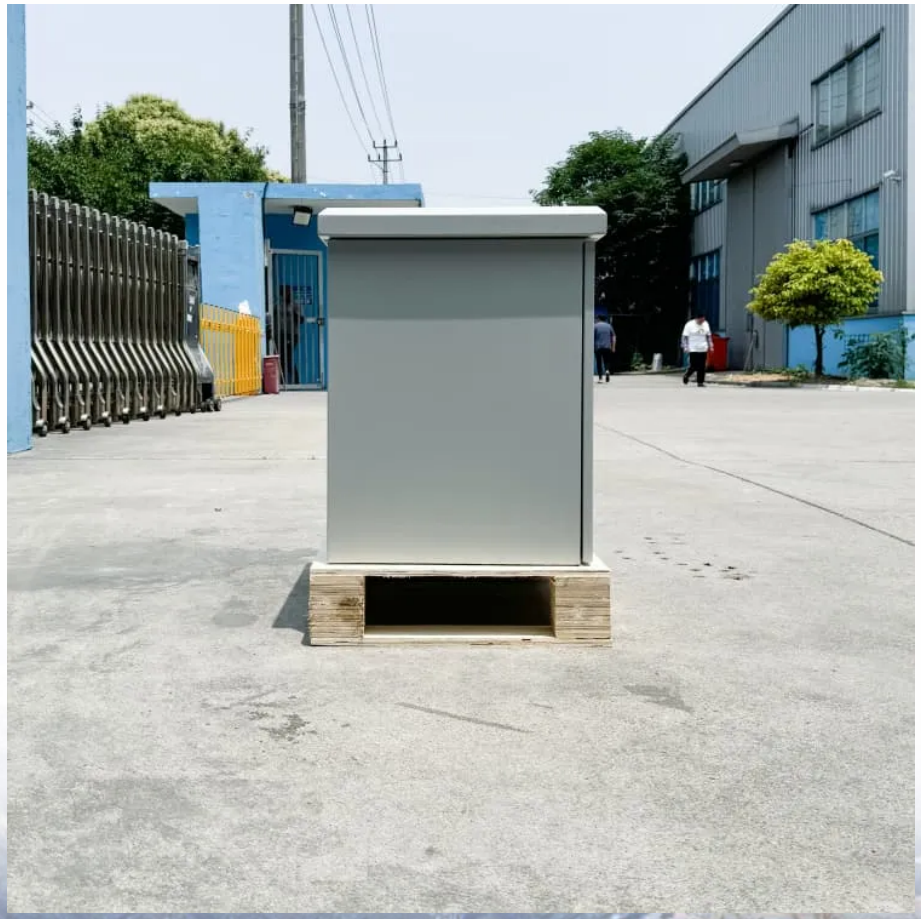
WALMER ENERGY

What are the sources of mixed energy interference in solar container communication stations



Overview

What are man-made sources of electromagnetic interference?

Man-made sources of electromagnetic interference include high-power radio transmitters, consumer electronic devices, and industrial equipment such as frequency converters. These sources produce electromagnetic fields during operation, interfering with nearby electronic devices and causing performance degradation or malfunction.

Does a PV system have a risk of electro-magnetic interference?

While the risk of electro-magnetic and/ or radar interference from PV systems is very low, it does merit evaluation, if only to improve the confidence of site owners and other stakeholders.

What is electromagnetic interference (EMI)?

It refers to the unwanted electromagnetic signals that disrupt the normal operation of electrical circuits and devices. EMI can originate from both natural sources, such as lightning and solar flares, and man-made sources, including power lines, wireless communications, and industrial machinery.

How to avoid interference by PV systems at airports?

To avoid interference by PV systems at airports, the following measures are suggested . The PV installations should be located at least 200–250 ft away from the communication systems. PVI should be avoided where they might cause interference to navigational aids. Radar absorbing material could be used to reduce unwanted signal reflections.

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