

## SolarInnovate Energy Solutions

# Base station power supply installation specifications



## Overview

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How many compartments does a BS4 base station have?

The BS4 base station has two weatherproof compartments for the functional components. The smaller left hand compartment contains the power connection, hazardous voltages and the unit power supply. This compartment should not be opened. Only a trained electrician should open this compartment.

What type of battery does a base station use?

The base station uses a NiMh battery pack to maintain operation during short term power loss. Only replace this pack with the same Telensa type replacement battery pack. The base station unit described in this guide emits radio frequency energy through its antenna.

How do I install a base station?

The base station must be mounted so that its light sensor is not illuminated by the area lighting or other light source. Remove the white outer cover of the base station. Loosen the hex head M8 bolt located between the two covers of the base station. Lift it up. Slide the base station case up to release it from the keyhole slots on the back plate.

How does a base station unit emit radio frequency energy?

The base station unit described in this guide emits radio frequency energy through its antenna. Although the power level is low, concentrated energy from a directional antenna may pose a health hazard.

How do I check the function of a Telensa base station?

Check the function of the unit by logging in to the PLANet system as per the Telensa system training. The base station uses a 9.6V NiMh battery pack to maintain operation during short term power loss. CAUTION: Only replace the battery pack with the same Telensa type BS4 replacement battery pack.

How much power does a PSU need?

This is when the PSU is no longer powering the PA, which is the main power draw, but still needs to power other electronics. The current target for low-load efficiency is about 30 W. Some OEMs would like to see that drop to nearly 10 W.

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