

BLINK SOLAR

How to set up a 5g solar container communication station



3354KWH

1331.2V 2520AH



Overview

Do I need a 5G module?

A 5G module will be required to test the 5G Network Setup, being able to test the association between the 5G module (with a SIM) and the gNB (base station). This module and evaluation board will be used as UE (user equipment). Warning It is crucial to work within a native python3 environment.

Can a container image run a 5G network element?

Container images are typically read-only, so any of us could download and run a 5G network element by just using that image (as well as a runtime configuration and optional storage, explained below).

Which 3GPP base station supports 5G NR 5G New Radio?

The 3GPP 5G Next Generation base station which supports the 5G NR (5G New Radio). Therefore, we will setup the base station and configure it to be able to integrate the SDR, specifically, an URSPB200-mini. Quectel RM500Q-GL + Quectel 5G-M2 EVB.

How to configure Quectel as a 5G modem for a host machine?

Once having the Quectel successfully connected to the base station and being able to establish a communication, we will configure the Quectel module as a 5G modem for a host machine. Hence, we will have to configure NetworkManager (nmcli) to add a new GSM connection.

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SOLAR SYSTEM TURN KEY SOLUTION BASE STATION SHANGHAI

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