Smart Mobile-4G-EU Quick Guide Issue: 04

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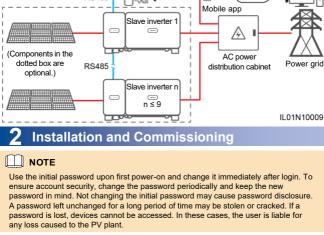
NOTICE

The information in this document is subject to change without notice for reasons such as product upgrade. Every effort has been made in the preparation of this document to ensure the accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied. The Smart Mobile-4G-EU (4G module for short) is a 4G communications expansion module used to connect an inverter to the management system through a 4G network. Overview

The SUN2000-50KTL-M0/SUN2000-60KTL-M0 inverter can separately connect to the management system through the 4G module. It can also connect to the management system through the 4G module while functioning as the master inverter in RS485

ascading communication

- The master and slave inverters are cascaded through RS485. The slave inverter model can be different from the master inverter model. A maximum of nine slave nverters can be configured. Management system Master inverter
- Web cli Internet RS485



Setting Communications Parameters for the Master Inverter on the SUN2000 App NOTICE

Before setting communications parameters for the master inverter, ensure that the

Bluetooth or WLAN connection USB data cable connection

SUN2000 USB

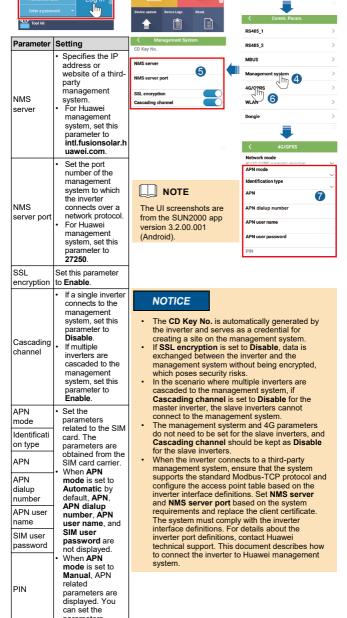
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package. The app version should be 3.2.00.00 for later. Check that the AC or DC sides of the master and slave inverters have been powered on. You have connected a Bluetooth module, a WLAN module, or a USB data cable of the mobile phone to the USB port on the master inverter to enable communication between the master inverter and the SUN2000 app.

- Log in to the SUN2000 app as **Advanced User**, and set the m 4G parameters for the master inverter. ent systerm and !

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USB port

No service

Not powered on

Inverte

Install the 4G module

check its status

once per cycle

on for 0.1s and off for 1.9s

Blinking: at

off for 1.7s

Off

intervals of 2s. twice per cycle, on for 0.1s and off for 0.1s, then on for 0.1s and

parameters

NOTICE

1. Install a SIM card. NOTE

l

Installing the 4G Module

Before installing the 4G module, remove the Bluetooth module, WLAN model or USB An inverter has only one USB port. When you perform local maintenance on the master inverter, remove the 4G module. Then, communication between the master inverter and the network management system is interrupted. After local maintenance is complete and the 4G module is reinstalled, the communication is restored

The 4G module is not configured with the SIM card. You need to prepare a standard SIM card (dimensions: 25 mm x 15 mm, capacity ≥ 64 kB, traffic ≥ number of

SIM card (dimensions: 25 mm x 15 mm, capacity ≥ 64 kB, traffic ≥ number or inverters x 30 MB/month). When installing the SIM card, determine the SIM card installation direction based on the silkscreen and arrow on the card slot. Press the SIM card in place to lock it. The SIM card is correctly installed. When removing the SIM card, push it inwards to eject it. When reinstalling the 4G module cover, ensure that the buckle springs back in place. Remove the 4G module from the inverter before removing the SIM card.

IL01H00007

Inverter USB port

1

C0.8–1.1 N·m

IL01H00008

FRONT

IL01W00004

Verify the mailbox and activate the

account.

6

Jh.

word to log in to the FusionSolar app, and create a plant.

LED

indicator

Indicator Status | Working Status | Quick Check The 4G module is Steady on Communicating working properly Blinking: at intervals of 2s. The 4G module is Networked successfully

waiting for

communication setup.

The SIM card is not installed, not in good

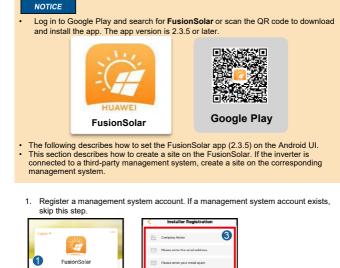
contact, or has no traffic

The 4G module is not properly connected or damaged, or the USB port is not energized.

Deploying Plants in a Remote Management

System Using the FusionSolar App

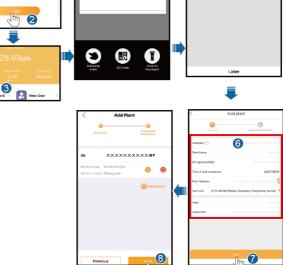
3. Wait for about 15s for dialup. Then, observe the LED indicator on the 4G module to



Enter the account and p

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2





Parameter	Description	Parameter	Description
Power supply	5 V DC, 1 A, USB 3.0 terminal	LED	Communication indicator
Device dimensions	130 mm x 48 mm x 33 mm	Net weight	0.09 kg
Operating temperature	-30°C to +60°C	Relative humidity	5%–95% RH
Highest altitude	4000 m	Pollution level	Level 2
Corrosion level	Level C	Storage temperature	-40°C to +70°C
Storage humidity	5%–95% RH	Typical power consumption	3.5 W
Certification	CE	N/A	N/A
Carriers	Chunghwa Telecom 4G/3G FET 4G/3G Taiwan Mobile 4G/3G Taran Mobile 4G/3G Taran Mobile 4G/3G Taran Mobile 4G/3G India: Bharti Airtel India 4G/3G/2G Vodafone India 4G/3G/2G Idea India 4G/3G/2G Idea India 4G/3G/2G Indiand: Als Thailand 3G/2G DTAC Thailand 4G/3G/2G TrueMove Thailand 4G/3G/2G Vietnam: MobiFone Vietnam 3G/2G Viettel Mobile Vietnam 4G/3G/2G Viettel Mobile Vietnam 3G/2G Vinaphone Vietnam 3G/2G Nilippines: Globe Philippines 4G/3G/2G Smart Philippines 4G/3G/2G Malaysia: Celcom 4G/3G/2G Maxis 4G/3G/2G Digi 4G/3G/2G Singapore: Singtel 4G/3G Singapore: Singtel 4G/3G Starhub 4G/3G Metherlands: Vodafone 4G/3G/2G KPN 4G/3G/2G KPN 4G/3G/2G T-Mobile 4G/3G/2G T-Mobile 4G/3G/2G T-Mobile 4G/3G/2G T-Mobile 4G/3G/2G	Network standards	LTE (FDD): B1, B2, B3, B4, B5, B7, B8, B20 DC- HSPA+/HSPA+/HS PA/UMTS: 850/900/1900/2100 MHz GSM/GPRS/EDGE 850/900/1800/1900 MHz

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