

## Upgrading Software – SUN2000L inverters



**Huawei Technologies Co. Ltd.**

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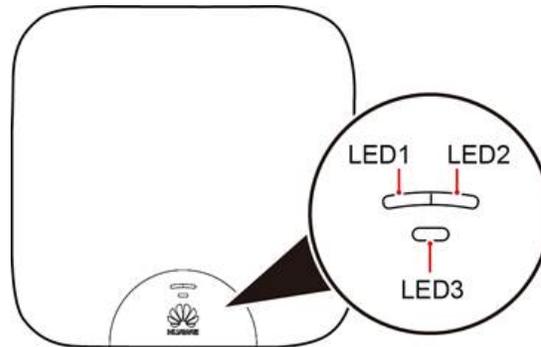
### Symptom:

Software upgrade failed.

### Possible Causes:

- The app version is not the latest.
- The DC side is not energized, the LED1 indicator of the SUN2000L is off, and the delayed upgrade function is disabled.

Figure 1-1 LED indicators



### Solution:

**Step 1** Download and install the latest app.

- Search for "FusionHome" in Google Play or App Store, and download the app.
- Scan the QR code to download the app.



**Step 2** Check whether the DC side of the SUN2000L is energized.

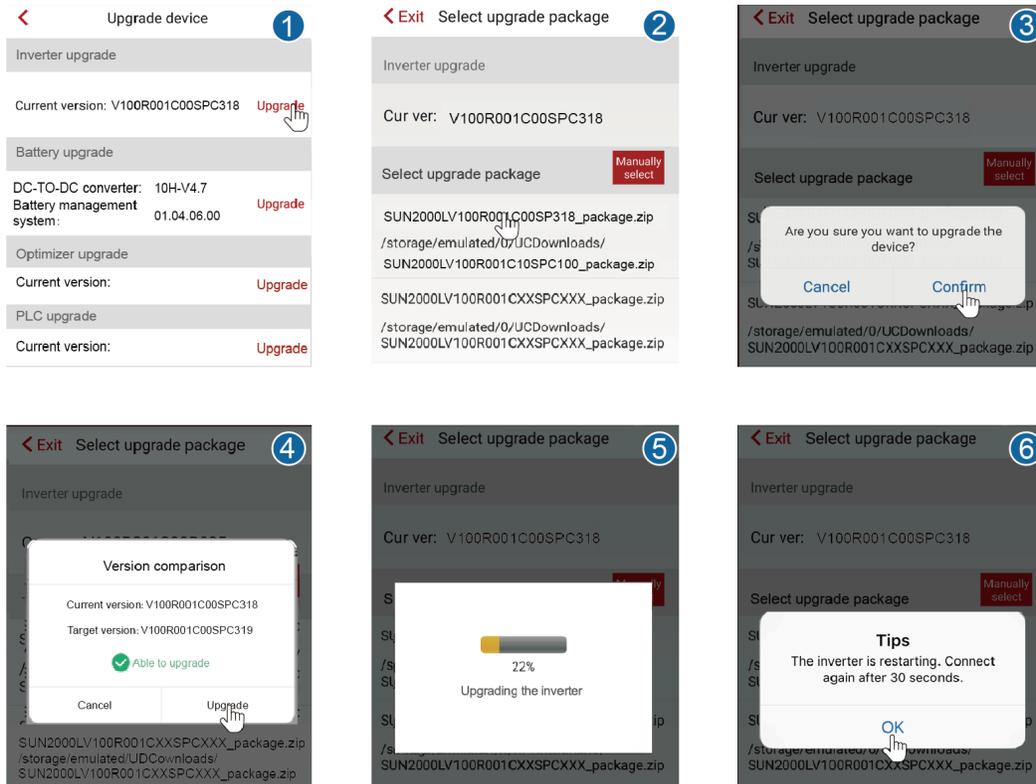
- If so, upgrade the software using the SUN2000L upgrade package supplied with the FusionHome app.

Log in to the **FusionHome** app as **installer**. Choose **Home > Upgrade device**, and upgrade the software of the SUN2000L, battery, smart PV safety box, and optimizer.

The upgrade methods are similar. The following uses the SUN2000L as an example to describe the method.

**NOTE**

It takes about 5 minutes to upgrade the SUN2000L, battery, or the smart PV safety box, and about 5 to 10 minutes to upgrade the optimizer.



- If the DC side of the SUN2000L is not energized, perform Step 3.

**Step 3** In this case:

1. Log in to the **FusionHome** app as **installer**. Choose **Home > Grid-connection parameter configuration > Expert > Feature parameters**, and enable **Delay upgrade**.
2. Choose **Home > Upgrade device**, and upgrade the SUN2000L.
3. After the upgrade is complete, a message is displayed indicating that the upgrade is successful. In fact, the upgrade is not successful. After the DC power of the SUN2000L recovers, the upgrade will be automatically performed.

Delayed upgrade:

**< Expert mode settings**

Grid parameters    Protection parameters    **Feature parameters**

Power adjustment    Time setting

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TCP heartbeat interval    0    s

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**Delay upgrade**   

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LVRT   

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HVRT   

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Anti-islanding protection   

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Passive Islanding   

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Soft start time after grid failure    20    s

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Soft start time after grid recovery