## SDongleA-05 Quick Guide (WLAN-FE)

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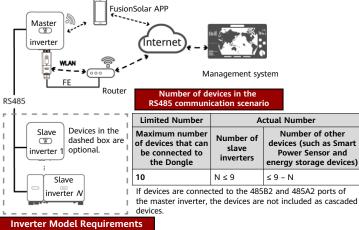
The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied. SDongleA-05 (Dongle for short) is a smart communications expansion module that works

- with Huawei inverters to implement communication between inverters and the management system using WLAN or FE.
- A Dongle can be used for device cascading using RS485 communication (inverter cascaded or inverters cascaded with other devices). A maximum of 10 devices can be cascaded. If cascaded inverters include a single-phase inverter or are connected to batteries, a maximum of three inverters can be cascaded. When multiple inverters are cascaded, only one Smart Dongle or one SmartLogger is allowed.

**Communication Scenario** 

- NOTE
   Inverters with different appearances are used in the same communication scenario. The inverters in this document are used as an example.

   In the networking, the inverter where the Dongle is installed is the master inverter, and other inverters are slave inverters. Slave inverters can communicate with the Dongle
  - through cascading. In the communications scenario, ensure that the wireless network of the inverter and router is not disturbed and that the signal is normal.



Master Inverter	Slave Inverter		
SUN2000-(2KTL-6KTL)-L1 SUN2000-(3KTL-20KTL)-M0 SUN2000-(3KTL-12KTL)-M1 SUN2000-(8KTL-20KTL)-M2 SUN2000-(20KTL -40KTL)-M3	SUN2000-(2KTL-6KTL)-L1 SUN2000-(3KTL-20KTL)-M0 SUN2000-(3KTL-12KTL)-M1 SUN2000-(8KTL-20KTL)-M2 SUN2000-(20KTL -40KTL)-M3 SUN2000-29.9KTL/36KTL SUN2000-33KTL-A SUN2000-50KTL/60KTL-M0		
2 Installation and Commissioning			

### Install the Dongle WLAN Communication

N/A

LED Indicator

Status

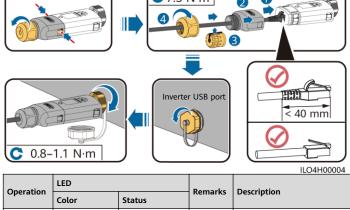
Blinking at long intervals (on for 0.5s and then off for

Color

Green

Operation





The Dongle is not secured or is

Installing	,,,	0	Normal	not powered on.
	Yellow (blinking green and red simultaneously)	Steady on		The Dongle is secured and powered on.
	Red	Blinking at short intervals (on for 0.2s and then off for 0.2s)		The parameters for connecting to the router are to be set.
the Dongle			The Dongle is faulty. Replace the Dongle.	
	Blinking red and green alternatively	Blinking at long intervals (on for 1s and then off for 1s)	Abnormal	No communication with the inverter  Remove and insert the Dongle.  Check whether inverters match the Dongle to other inverters. Check whether the Dongle or the USB port of the inverter is faulty.
NOTICE  Before setting parameters, ensure that the AC and DC side of the inverter has been powered on				
<i>Fusion</i> . downlo	Solar App Quick G	<i>Guide</i> . During the Fu ding quick guide ac	sionSolar ap	For details, see the corresponding p upgrade, scan the QR code to ne downloaded app version. If the

**Quick Guide** 

Remarks

Normal

Description

Connecting to the router

### Router connection Failed to connect to the router. settings Blinking at short intervals (on for 0.2s and then off for Check whether the parameters for connecting the Dongle to the router are properly set. If not, set 0.2s) the parameters correctly. Successfully connected to the Green Steady on Normal management system. Failed to connect to the management system. Check Blinking at long intervals (on for 1s and then off for 1s) whether the parameters for connecting inverters to the Management system management system are properly settings set. If not, set the parameters correctly. Blinking at short intervals (on for 0.2s and then off for The inverter is communicating with the management system through the Dongle. 0.2s)**MOTE** In areas (such as the UK) where the FusionSolar app is not available, or when a third-party management system is used, only the SUN2000 app can be used for commissioning. This document uses the FusionSolar app as an example to describe the commissioning method. For the SUN2000

# Network Port

Model on the Nameplate **Maximum Number of Devices** 

### Not encrypted, WPA, WPA2, WPA/WPA2 **Encryption Mode** Installation Mode Plug-and-play (applicable to inverters only)

app, perform operations as required.

To obtain the SUN2000 App, scan the QR code or search for "SUN2000" in Huawei AppGallery, download the latest installation package, and install the SUN2000 app by following the instructions. The SUN2000 app version should be 3.2.00.002 (Android) or later.

SDongleA-05

10/100M Ethernet port

10 (Inverters are connected with each other over RS485.)

**Performance Parameters** 

Indicator	LED			
Dimensions (W x H x D)	146 mm x 48 mm x 33 mm			
Net Weight	90 g			
Ingress Protection Rating	IP65			
Typical Power Consumption	2.5 W			
Standard and Frequency Band	802.11b, 802.11g, 802.11n 2.412 GHz to 2.484 GHz			
Operating Temperature	-30°C to +65°C			
Relative Humidity (Non- condensing)	5%-95% RH			
Storage Temperature	-40°C to +70°C			
Highest Altitude	4000 m			
3 Obtaining Documentation				
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