# SDongleA-05 Quick Guide (WLAN-FE)

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- SongleA-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.

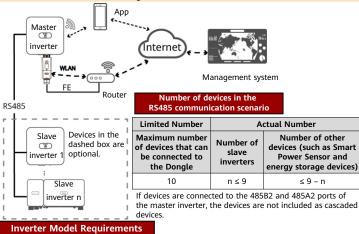
  A Dongle can be used for device cascading using RS485 communication (inverter cascaded or inverters cascaded with other devices). A maximum of 10 devices can be cascaded. If cascaded inverters include a single-phase inverter or are connected to batteries, a maximum of three inverters can be cascaded.

  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

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/56KTL-M0					
2 Installation and Commissioning					
-					

### Install the Dongle. **WLAN Communication**



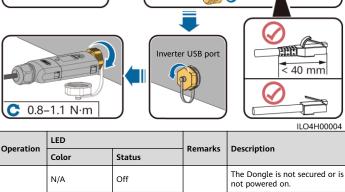




LED indicator

Slave Inverter

4



Installing the Dongle				not powered on.			
	Yellow (blinking green and red simultaneously)	Steady on	Normal	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.			
	Red	Steady on		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							
<ol><li>Install the FusionSolar app. Perform the Setup wizard operations. If you have performed such operations, skip this step. If not, you can scan the QR code below to obtain the app quick guide which describes the Setup wizard operations.</li></ol>							

Router connection

settings

Green

**Maximum Number of Devices** 

**Encryption Mode** Installation Mode

Indicator

FusionSolar app Quick guide

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

Blinking at short

Operation Remarks Description Status Color

Normal

Connecting to the router

Failed to connect to the router.

Check whether the parameters for connecting the Dongle to the

	settings	Red	interval	g at snort s (on for 0.2s en off for	Abnormal	Check whether the parameters for connecting the Dongle to the router are properly set. If not, set the parameters correctly.			
		Green	Steady	on	Normal	Successfully connected to the management system.			
	Management system settings	Red	interval	g at long s (on for 1s en off for 1s)	Abnormal	Failed to connect to the management system. Check whether the parameters for connecting inverters to the management system are properly set. If not, set the parameters correctly.			
		Green	interval	g at short s (on for 0.2s en off for	Normal	The inverter is communicating with the management system through the Dongle.			
	<ul> <li>NOTE</li> <li>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 app, perform operations as required.</li> <li>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.</li> </ul>								
	Performance Parameters								
Model on the Nameplate			е	SDongleA-05					

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

# Dimensions (W x H x D) 146 mm x 48 mm x 33 mm

LED

10/100M Ethernet port

Not encrypted, WPA, WPA2, WPA/WPA2

Plug-and-play (applicable to inverters only)

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					
NOTE You can obtain the latest version of this document by scanning the following QR codes.					
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