## **Basic Configuration of the MAX inverter**

#### 1. Configuration tool USB-WiFi

The small USB-WiFi is small tool for local configuration. Use USB-WiFi module and ShinePhone can do the reading and setting via local WiFi network, no need communication cable anymore.



### 2. Connection

After finished the inverter installation, then can go to the configuration step:

a. Connect the USB-WiFi stick to inverter USB port A, then turn on the AC breaker or turn on DC switch, the inverter will powered on.



b. Enter smart phone WLAN Setting page, search the USB-WiFi network, connect to it, the WiFi

name is the Serial Number, password is 12345678.

China Mobile	5:04 PM	4 <b>4</b>
< Settings	WLAN	
WLAN		
OBC081103E	3	<b>R</b>
Tenda_30790	08	<b>F</b>
FAST_9CF8		<b>F</b>

# 3. Configuration

After connect to the USB-WiFi Network, then you can begin the configuration via your phone.

Make sure you have installed the latest ShinePhone APP, if not, screen below QR code to download.



Configuration steps:

a. Open ShinePhone APP, click"Local debugging tool" to enter the debugging page. Skip the page of "Scan For WiFi Name".

	6:24 PM	al 91	1	6:28	3 PM	.ani (90)
		Demo account >>	<	Local debu	igging tools	
arov	vatt		Pow	er Cun	rent power Nc	rmal power
Usemame	(1999) (1999) (1999) (1999) (1999)		Erro	r Errc	or Wa	> arning
st		×	Device con	ntrol	Rese	et password
esword		איזיל	(6) <sup>58</sup>	<b>Å</b> ÅÅ	Smart	X
			GRID CMD	Parameters	Diagnosis	Advanced
	Sign in		Device Info	ormation		
	oign in		PV Volt/Curre	nt		^
ot password		Register		PV1 PV	/2 PV3	PV4
			U(V)			
			I(A)			
	Toolbox		String Volt/Cu	rrent		$\sim$
		TH	AC Volt/Freq/	Current/Power		^
ure WiFi ogger	L	Local debugging tools	U(V)	R	S	T

- b. When you need do the parameter setting or reading, you can use the Initial password to get the permission, the initial password is oss+today's date, for example oss20181125. When use this initial password, you need set a new password, the new password only work when you use this phone for configuration. If you have an OSS account, you can login your oss account to have the permission, make sure you phone connect to mobile data or router WiFi when login.
- c. Enter the "Parameter" page, click "Country & Safety" to select the countries or safety standard. Click "Read" to check the default model value, then click for the list to choose the right one of local requirement.

0	5:19 PM	85 lin 🗢 ili 85	0	5:18 PM	0 🗍 🤶II 45
<	Parameters	Set model code	1		
1.Country & Sa	fety(16)	>			
2.Inverter time(4	45~50)	>			
3.Language(15	)	Σ		Italy	
4.COM Addr(30	))	×		Select	
5.Vpv start(17)		>		EN50438_Standard	
6.Time start(18)	)	Σ		Belgium	
7.Time restart(1	9)	×		Demark	- 8
8.System/Weel	<(51)	>		Domain	- 8
9.Vac 10min Av	vg(80)	>		EN50438_Sweden	
10.PV over volt	age limit(81)	>		Cancel	
11.Modbus ver	sion(88)	×			
12.PID Mode(2	01)	×			
13.PID On/Off(2	202)	>			
14.PID Volt Opt	tion(203)	>			

d. Set inverter time for each inverter to make sure inverter have right time. Click "Inverter time" to do the setting, after setting, inverter time will be same as the smart phone. Set the COM address for each inverter if use ShineMaster for monitoring. The address range is from 1 up to 32.

0	5:43 PM	🖸 🗍 🗢tl (42)	• 4:21 PM	:int (66
<	Inverter time(45~50)	Read	< COM Addr	(30) Read
Inverter tir	me(45~50)		COM Addr(30)	
	2018-11-23 17:43:43			
	Setting		Setting	

#### 4. Turn on the system

After configure the inverter setting, turn on DC switch, inverter will begin to work. You can check the system information of the inverter via Growatt ShinePhone. Click "Smart Diagnosis" to the diagnosis page, use "One click diagnosis" can check the I-V/P-V curve, grid voltage waveform, grid harmonic, grid impendence at one time, it will takes around 10 min.

Also you can only select one to check the information, such as I-V curve, AC voltage waveform. The fault waveform record function is only used by guide of Growatt engineers when necessary.



Back to the "Local debugging tool" homepage, click Device information, you can check the inverter parameters, PV string data, AC grid data, inverter information and so on.

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		Norma		Auto refresh	< No	ormal Auto refresh
Device I	nformatio	n			Internal parameters	^
PV Volt/Cu	irrent			~	Countdown	Power percentage
	PV1	PV2	PV3	PV4	200s	31%
					PF	Internal temperature
U(V)	254.1	253.2	256.3	256.0	1.00	34.9 <b>℃</b>
					Boost temperature	INV temperature
I(A)	22.5	23.7	24.5	24.5	60.0°C	42.3 <b>℃</b>
String Volt	Curront			~	+Bus	-Bus
string voit	Current				307.8	303.6
	Str1	Str2	Str3	Str4	PID fault code	PID status
					0	Waiting
U(V)	254.1	254.1	253.2	253.2	About inverter	^
1(0)	0.0	00.0	0.0	00.4	Manufacture	Model name
I(A)	0.0	22.6	0.0	23.4	PV Inverter	PV 80000
AC Volt/Fr	eq/Current/	/Power		~	SN	Model code
	R		S	т	SARS746005	A0B0D0T6PFU1M8SA
U(V)	397	.0 3	395.3	396.1	FW version (E)	FW version (I)
F(Hz)	49 0	0	19 99	49 99	TI1.0ti1.0	tiaA78791063