

AC voltage value setting manual

v1.0

1. Equipment: USB toRS232 Cable as Figure 1, Laptop







Figure 1 USBtoRS232 cable

3. Process:

Before operating, please turn off AC switch, and turn on DC switch. If there are several inverters being connected with together via RS485 cable, please disconnect it as well.

Step1 Install the program "ShineBus" in your computer and connect the inverter to your computer via USB to RS232 cable (corresponding RS232 port on the bottom of inverter as Figure 3). Normally the cable should be used only if successful to install the corresponding driver.



Figure 2 Connect PC or laptop to Inverter via USB to RS232 cable

Step2 Query the Com port address of your computer.

(1) Open the device manager of computer.

(2) Find out the com port address as Figure 4. If the automatic assigned com port No. is beyond 10, you should change it to below 10 manually.

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Figure 4 Query com port address

Step3 Read info of inverter

(1) Double click ShineBus in your computer.

(2) After opening the software, click Menu1(Device Info), fill the com port address with what you find out in Device Manager, fill the Inv Add this is your inverter COM port, you can get it from the inverter display on LCD by knock one by one, the default value is 1. Then click "Start", you will see some info of your inverter, that means the communication between inverter and ShineBus is OK.

🔷 ShineBus Device Info.								
File Language LayOut Help								
Device Info.	Grid CMD	Parameter	Auto Test	FW Upd	date F	Product Set		
State Info.:				PV1/2	Powe	E.		
AC Watt/v	/A:			Epv1/2	2-today	r.		
R/S/T Volt:		Epv1/2	Epv1/2-total:					
R/S/T I:		Serial	Serial No.:					
Eac-today:		Device	Device Model:					
Eac-total:		FW V	FW Version:					
PV1/PV2	√olt:	:: Modbus∨ersion:						
сом: Со	M1		Inv Add:	1	Perio	d(ms): 605		Start

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Step4. Parameter setting

(1) Then choose 13. R1 Vac Low, fill 195.5 in the Set Value blank, then click Operate button.

🔷 ShineBus Pa	rameter	
File Language LayOut	t Help	
Device Info. Grid CMI	D Parameter Auto Test FW Update Product Set	
Set ID:	13.R1 Vac Low	
Set value:	195.5	
Note:	Reau	
Set Result:		
COM: COM2	Inv Add: 1 Period(ms): 605 O	perate

(2) After do the setting you can check if the setting is OK as below picture, click "Read" option, let "Set value" blank blank, then click "Operate", the setting value will come.

🔷 ShineBus	Parameter	
File Language Lay	Out Help	
Device Info. Grid G	CMD Parameter Auto Test FW Update Product Set	
Set ID:	13.R1 Vac Low	
Cot value:	195.5	
Set value.		
	Read	
Note:		
Set Result:		
COM COM2	Inv Add 1 Deviad(ma) 605	Departe
COIVI: COIVIZ	Inv Add: j · Period(ms): j 003	operate

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Note: please not change any other parameter without check with Growatt, otherwise, you may make the inverter not working correctly.

Below is the table of the parameter you need reset according to your requirement, please first choose VDE safety standard for the inverter then do modify as below table, refer to steps above.

Please note that this modify is required by you, not required by Growatt, Growatt have no responsibility for this modify.

ShineBus rated parameter	Set	Protection	Set value (ms)
	value(V/Hz/S)	time	
R1 Vac High	255	R1 Vac High	200
		Time	
R1 Vac low	184	R1 Vac low	200
		Time	
R1 Fac High	50.2	R1 Fac High	200
		Time	
R1 Fac Low	47.0	R1 Fac Low	200
		Time	
time restart /time start	30		

Step5. Restart the inverter

Turn on AC breaker, the inverter will start to work.