

PV Isolation Low

- 1. Equipment: USB to RS232 Cable, Laptop ,Cross screwdriver
 - 2. Software: ShineBus.exe , the USB to RS232 drive program which is CD Driver.
 - 3. Process:

Before operating, please turn off AC switch, and turn on DC switch

Step1 1.Install the program "ShineBus" in your computer and connect the inverter to your computer via USB to RS232 cable. Normally the cable should be used only if successful to install the corresponding driver.

PV Panel	Growatt Inverter	Grid
	USB t	o RS232 Cable

Figure 1 Connect PC to Inverter via USB to RS232 cable

2.install the the USB to RS232 drive program which is in your USB to RS232 .How to setup this ,you can read the USB to RS232 manual .

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 2.





ile Action View Help	
WIN-OOFI9EDSFI	
b 🗃 Batteries	
⊳ -s Computer	
Disk drives	
Display adapters	
DVD/CD-ROM drives	
IDE ATA/ATAPI controllers	
5 The second	
b C Keyboards	
b - P Mice and other pointing devices	
Monitors	
a 🙅 Network adapters	
— 1x1 11b/g/n Wireless LAN PCI Express Half Mini Card Adapter	
- 😰 Microsoft Virtual WiFi Miniport Adapter	
Realtek RTL8168D/8111D Family PCI-E Gigabit Ethernet NIC (NDIS 6.20)	
Other devices	
Inknown device	
Portable Devices	
Ports (COM & LPT) Com Port Address	
p Processors	
5 Sound, video and game controllers	
b - i System devices	
👂 🟺 Universal Serial Bus controllers	

Figure 2 Query com port address

Step3 Read info of inverter

(1) Double click ShineBus in your computer.

🔷 ShineBus Device Info.					
File Language LayOut Help					
Device Info. Grid CMD Parameter Auto Test FW Update Product Set					
State Info.:	PV1/2 Power:				
AC Watt/VA:	Epv1/2-today:				
R/S/T Volt:	Epv1/2-total:				
R/S/T I:	Serial No.:				
Eac-today:	Device Model:				
Eac-total:	FW Version:				
PV1/PV2 Volt:	ModbusVersion:				
COM: COM9	Inv Add: 3 Period(ms): 495 Start				
(2)					

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And also ,the

The COM address of the PC port and the shinebus COM: COM9

must be the same.

Inv Add: 3

is your inverter address. Inv Add is inverter address, default value is

1.Then click the start ,you can read the inverter information. If not ,the PC didn't connect the inverter well .

evice Info.	2 Read CMD	3 Grid CMD	4 Parameter	5 Auto Test	6 FW Update	e 7 Product Set
State Info	Norm	al		PV1/2 Power	2271	/2315 W
AC Watt/VA	e 4454,	/ 4454		Epv1/2-today	4.6/5	i.3 kWh
R/S/T Valt	248/0	/0∨		Epv1/2-total:	1211	8.6/12868.9 kWh
R/S/T L	17.6/0	0.0/0.0 A		Serial No.:	CU3	1511171
Eac-today:	9.7 KV	₩h		Device Mode	D0T	0PFU1M5S1
Eac-total:	24345	5.9 kWh		FW Version:	S.1.8	3(0S30-513K)
PV1/PV2 V	olt 286/2	84V		ModbusVersi	ion: V3.0	0

3.click the "Device info"menu find the"Device Model ", then record it .

4.Then find the "Product Set", input the number that you have record in three step that you should change the F into E. If the shinebus displays model set fail, you can try to input PEUxMxSx, and the x is what your record just now .The last ,click the" Set". If it displays "set ok ".It has done all. Then you can check it in the device info menu.

🔷 ShineBus Product Set						
File Language LayOut Help						
Device Info.	Grid CMD	Parameter	Auto Test	FW Update	Product Set	
Model:				Set State:		
SerialNo.:					2	
Input No.:				Input Mod	ule:	
Real No.:				Real Modu	ule:	
сом: Со	M1		Inv Add:	1 Pe	riod(ms): 495	Set

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