

Delta Solar System(DSS) Guide

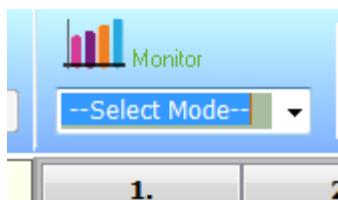
1. Select correct COM Port to connect to inverters.



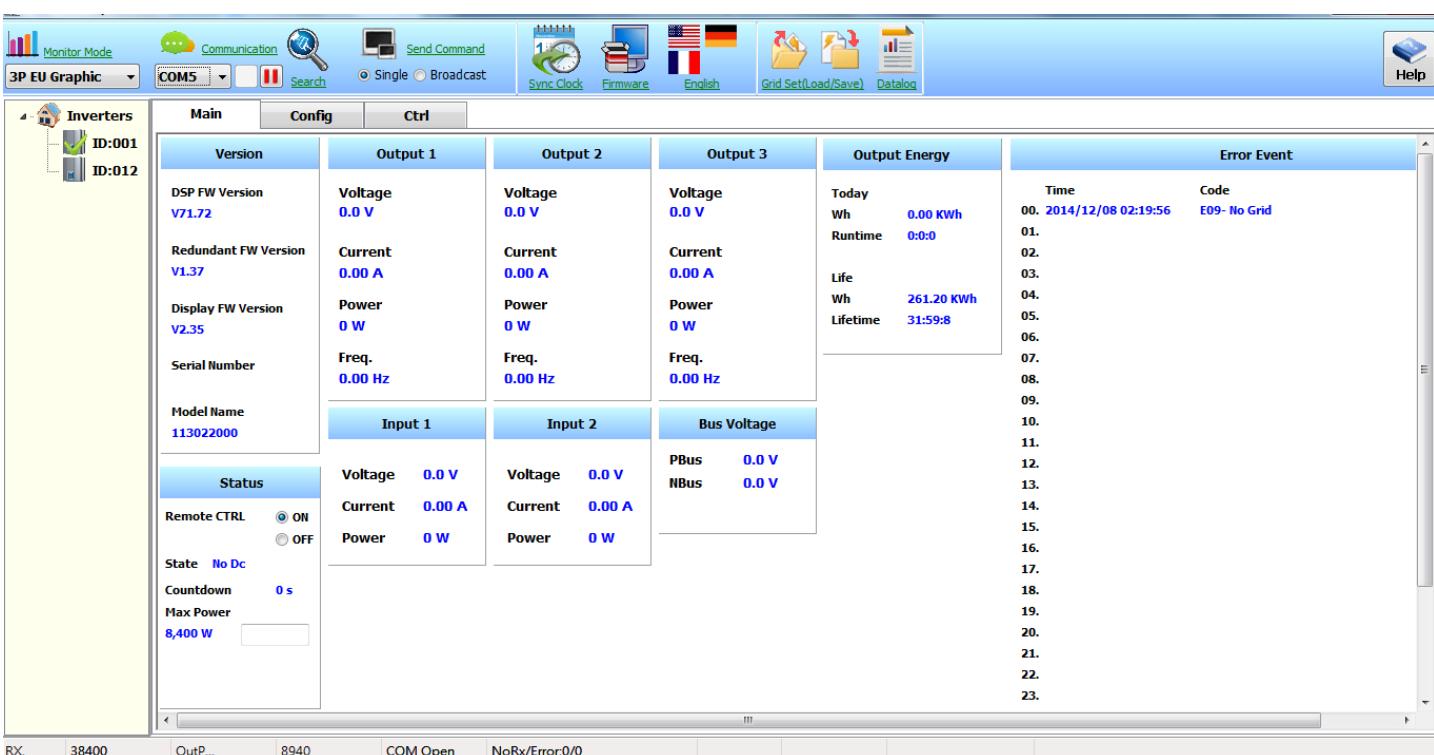
2. Input a Max ID to limit search scope & Search all inverters on the RS485 bus



3. Select single or three phase(1P/3P) inverter mode.



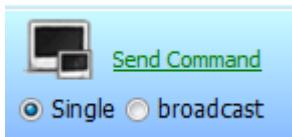
4. DSS will display information of the connected inverter as shown below.



The screenshot shows the DSS Main interface with the following data for Inverters ID:001 and ID:012:

Inverters	ID:001	ID:012			
DSP FW Version	V71.72				
Redundant FW Version	V1.37				
Display FW Version	V2.35				
Serial Number	113022000				
Model Name	113022000				
Status	Remote CTRL: ON				
State	No Dc				
Countdown	0 s				
Max Power	8,400 W				
Version	Output 1	Output 2	Output 3	Output Energy	Error Event
Voltage 0.0 V	Voltage 0.0 V	Voltage 0.0 V	Voltage 0.0 V	Today Wh 0.00 kWh	Time 00. 2014/12/08 02:19:56 Code E09- No Grid
Current 0.00 A	Current 0.00 A	Current 0.00 A	Current 0.00 A	Runtime 0:0:0	01.
Power 0 W	Power 0 W	Power 0 W	Power 0 W	Life Wh 261.20 kWh	02.
Freq. 0.00 Hz	Freq. 0.00 Hz	Freq. 0.00 Hz	Freq. 0.00 Hz	Lifetime 31:59:8	03.
Input 1	Input 2	Bus Voltage	PBus 0.0 V	NBus 0.0 V	04.
Voltage 0.0 V	Voltage 0.0 V				05.
Current 0.00 A	Current 0.00 A				06.
Power 0 W	Power 0 W				07.

5. "Single": Send Command to the selected inverter.
 "Broadcast": Send Command to all Inverters on the RS485 bus



6. Synchronize the Time/Date of all connected inverters on the RS485 bus.



7. ①. Press the "Open File" Button to load Hex File.
 ②. The upgrade tool will analyze Hex File & re-search inverters on the RS485 bus.
 ③. Press "Upgrade" Button to start writing the firmware to the inverter memory.
 ④. After waiting for a few minutes, please verify the progress of the upload and result.

The screenshot shows the software interface with the 'Firmware' tab selected. On the left, there's a tree view with 'Inverters' expanded, showing 'ID:001' and 'ID:012'. The main area displays an 'Upgrade' configuration window with the following details:

<input type="button" value="Open File"/>	D:\RP1504D_COMM_V9806_B4.hex		
Product ID:	52504500	MetaBlock Version:	0.00
Start Address:	0x08007000	Hardware Version:	1.00
Stop Address:	0x08080000	Software Version:	98.06
Fill Value:	0xFF	Processor:	0
Checksum:	0x04BC	Erase Size:	128
Baud Rate:	9600	Program Size:	128
Delay:	40		

Below this is another window titled 'Upgrade' containing a table of inverter data:

	<input checked="" type="checkbox"/>	ID	MCU#	Mode	Model Name	Serial Number	Product ID	Boot SW	P0 HW	P0 SW	P1 HW	P1 SW	P2 HW	P2 SW	P3 HW	
1	<input checked="" type="checkbox"/>	1	3	Normal	131200200		52303200	V02	1.00	1.86	1.00	71.72	1.00	1.50		
2	<input checked="" type="checkbox"/>	12	3	Normal	PVSNVC1500	233344120	52303200	V02	1.00	1.86	1.00	71.72	1.00	1.50		

8. Record inverter operational data and create report. Please enter desired monitoring period(seconds).

The screenshot shows the software interface with the 'Datalog' tab selected. It includes fields for 'Report(CVS)' and 'Upload(Server)'. The 'Report(CVS)' section has a 'period:' field set to '2 sec'. The 'Upload(Server)' section has 'User:' and 'Password:' fields.

9. Load / Save Grid Setting .

a. Load: Please Select a Config_IDx.csv to load and DSS will execute the setting.

b. Save: The Setting file will save to “Configlog” folder which is in the DSS folder.

