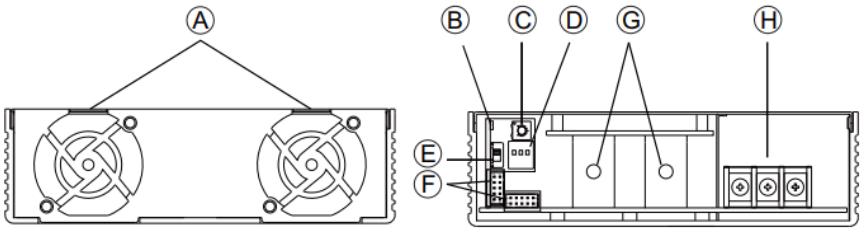
START UP GUIDE

BIC-2200 Power Supply:



A - Ventilation holes for fans

B - LED indicator: Indicates the status of supply and the load condition

C - SVR: For DC voltage Settings

D -DIP Switch: For device addressing when using the communication interface

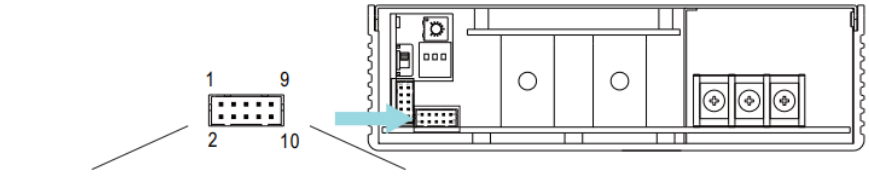
E - SW50: Used to stabilize parallel signals when multi-supplies in parallel connection

F - Functions Pins: Used for monitoring and control functions (CN46 and CN47)

G - DC Terminals

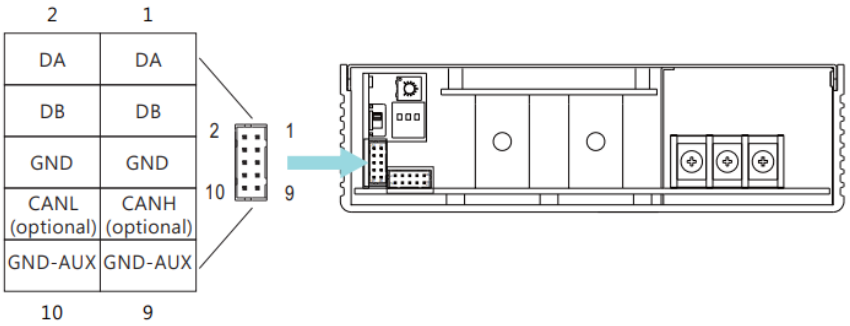
H - AC Terminals

Pin Assignment of CN46:



1	+12V-AUX	+5V-AUX	Remote ON-OFF	$\overline{\text{DC-OK}}$	T-ALARM	9
2	GND-AUX	GND-AUX	C/D Control	Fault	NC	10

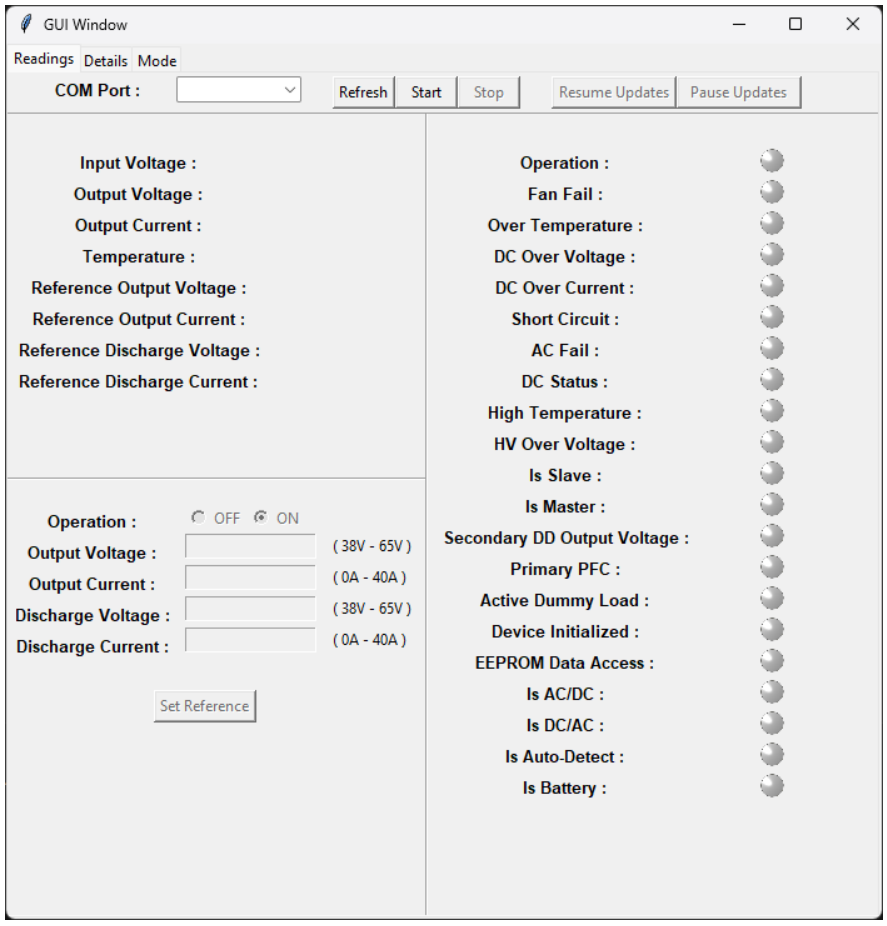
Pin Assignment of CN47:



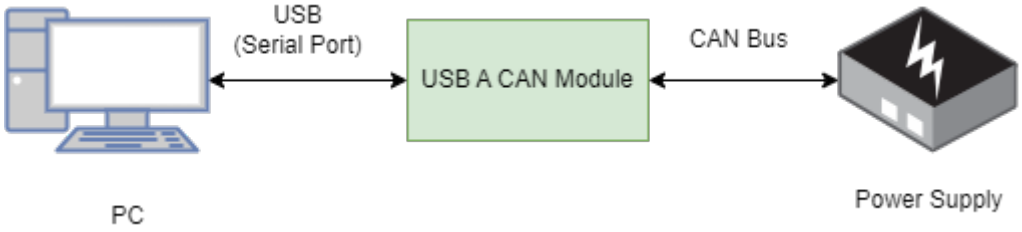
CAN Module (USB CAN A)

1	**TX indicator:**	Blinks when CAN is sending data
2	**PWR indicator:**	Power indicator, light up red when the USB port is connected
3	**RX indicator:**	Blinks when CAN is receiving data
4	**Reset button:**	Press before power on then release after power on to restore factory settings
5	**120Ω resistor switch:**	Switch to CAN terminal side to enable 120Ω resistor, switch to the other side to disable

GUI:


GUI Window
Readings
Details
Mode
COM Port :
Refresh
Start
Stop
Resume Updates
Pause Updates
Input Voltage :
Output Voltage :
Output Current :
Temperature :
Reference Output Voltage :
Reference Output Current :
Reference Discharge Voltage :
Reference Discharge Current :
Operation :
OFF
ON
Output Voltage :
(38V - 65V)
Output Current :
(0A - 40A)
Discharge Voltage :
(38V - 65V)
Discharge Current :
(0A - 40A)
Set Reference
Operation :
Fan Fail :
Over Temperature :
DC Over Voltage :
DC Over Current :
Short Circuit :
AC Fail :
DC Status :
High Temperature :
HV Over Voltage :
Is Slave :
Is Master :
Secondary DD Output Voltage :
Primary PFC :
Active Dummy Load :
Device Initialized :
EEPROM Data Access :
Is AC/DC :
Is DC/AC :
Is Auto-Detect :
Is Battery :

Connections:



Steps:

1. Set the ID of the BIC-2200 to "0", that is setting the DIP switch to ON/ON/ON positions.
2. In the USB CAN A module ON the 120 ohm resistor by placing the switch (5) on top in ON position
3. Connect the CANH, CANL, and GND pins of USB CAN A module to the CANH (Pin7), CANL (PIN 8) and GND-AUX (PIN9) pins of CN47 connecter of power supply
4. Connect the USB CAN A module to the PC and run the application named app.exe
5. Select the desired COM Port from the COM port list and press Start
6. If any error occurs, please look in the Warning and Errors Section of the document
7. The user can Pause and Resume the Readings and Flags update by pressing the Pause Updates and Resume Updates Buttons respectively
8. The user can input in the fields given to change the voltage and current of the power supply
9. If the user wishes to change the control mode or direction of the power supply, they must navigate to the Mode Tab to the necessity.
10. Finally, short circuit ON-OFF (PIN5) and +5-AUX (PIN3) pins of the CN46 connector on the supply to remote on it to charge the batteries or provide energy to the loads.
11. If the user wishes to stop the serial communication, it can be done by pressing the Stop Button (Please Note that the power supply will remain ON in this case)