For workbenches with a RIGOL Power Supply
Disregard this section if your Power Supply is Agilent

Unlike the Agilent power supply, the common ground for V1 and V2 is provided as shown in the figure below marked in red. You will not need to connect the negative terminal of V1 to the positive terminal of V2 as you did for the Agilent power supply.

Note: If you see a different screen than the one in the figure, you probably entered another screen by pressing one of the option keys (marked in yellow). The corresponding option key will be lit up. You can return to the default screen shown here by pressing on the lit key or you probably pressed the zoom key, selecting Cancel or Exit from the soft keys (marked in blue) under the screen will take you to the default screen.
Located at the front middle of the power supply are **three keys** for channel selection. There are three channels available on this power supply, all are **color coded**. The **red** channel, with a +6 written on it, can supply voltage in the range 0-6V. The **yellow** channel with +25 written on it has a supply range of 0-25V. The **green** one with -25 is a negative power supply with range 0 to -25. For **dual supply** you need to use both the **yellow** and **green** channels. Pressing on the channel name will enable you to change the settings of the selected channel. When a channel is selected the setup of that channel will be highlighted on the display screen with a **rectangle** of the same color coding.

Under the name of each channel there are **On/Off buttons**. **Voltage is not supplied unless the button is pressed and lit**. It is recommended to setup the channel **before** pressing On/Off the button for circuit protection.

**NOTICE!**
For each channel the display can be viewed in two parts. The **big numbers** are the **actual voltage/current/power value that is being output** from this particular channel. **This part of the display will read 0 unless the On/Off button is lit.** Below the big numbers are **four smaller numbers**, the small numbers reflect the **current Voltage, Current, O.V.P (Over Voltage Protection) and O.C. P (Over Current Protection)** setup respectively.

The procedure of setting up **supply voltage** and **over voltage protection** are introduced on the next page.
Make Sure softkey under Volt is selected before you enter supply voltage.

How to set the Voltage

OK Button

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Setup a voltage supply:
1. Press on the desired channel button.
2. In the softkey group, press on the button under "Volt".
3. Enter the supply voltage value using the numeric key pad located on the right upper corner of the front panel. Press the "OK" button once finished. "<--" button is backspace.
4. Set the Over Voltage Protection. (as instructed on the next page)
5. Check if all the settings are correct, press the On/Off button to supply voltage to the terminals.

Note for the Green "-25V" channel:
Recall that the range of the green channel is from 0 to -25V. So the value you enter using the key pad will automatically be considered negative.
How to set O.V.P (Over Voltage Protection)

Important: Set the O.V. P. (Over Voltage Protection) to the same value or slightly above the desired voltage you just set on the previous page.

To set Over Voltage Protection (O.V.P):
1. Turn on the desired channel button
2. Press the O.V.P soft key until ON is lit next to O.V.P. in small print on the screen. Type in the desired O.V.P. voltage on the keypad and press OK. The desired O.V.P voltage will appear in small print.
3. O.V.P will be activated as soon as you turn on the channel by pressing the On/Off button.
How to connect power supply to Launchpad

1) Disconnect VCC jumper marked out in yellow

2) Connect the red channel's positive output to VCC pins marked out in green squares

3) Connect the red channel negative output to GND pins marked out in blue