

0-30V 0-60A / 0-60V 0-30A operating manual

Model: LABPS3060SM / LABPS6030SM



1. Operation

- Connect the power cable to 230V mains.
- Check the fuse is on, **red** lever in up position
- Press the **ON** button
- The unit display shows the selected voltage on upper line, SEI on lower line. The output is at 0V, disabled still.
- Toggle with **M1..M4** between memory voltage settings, or set the required voltage with UP, Down .
- Press **OUTPUT** to enable the set voltage to the terminals.
- The voltage will slowly ramp up to the preset value.
- The display shows the actual voltage, first 0V and then shows the ramping voltage to setpoint.

2. Change the voltage setting

Live change of voltage is possible but great care should be taken.

- A short press **UP** or **DOWN** will change the preset voltage by 0.1V and the output follows in about 1 second.
- **WARNING:** Pressing **UP** or **DOWN** for more than 1 second will change the voltage setpoint extremely fast, but this is invisible on the display as it shows the actual output voltage. The actual output follows the setpoint very slowly, taking about 3 seconds to reach end value. It is very easy to change the setpoint to a very high value unintendedly, and then witness the power supply to ramp to an unintended too high value, possibly causing damage to connected devices.

Change voltage by programmed setpoint

- Press **OUTPUT**: Output voltage drops to 0V (display shows the previous voltage on upper line, SEI on lower line)
- Select voltage setpoint with **M1**, **M2**, **M3**, **M4** or **UP**, **DOWN** (upper display shows selected value)
- Press **OUTPUT**: The display and output will slowly ramp up to the preset value.

3. Programming a single memory

- Press **MEMORY** (The output drops to 0V during programming)
- Display shows a voltage and EPO (programming state)
- Press **UP** or **DOWN** to select the voltage to program.
- Press the memory position to program, for example **M2**
- The display shows the voltage and E02, to show this is the M2 programmed value
- Press **MEMORY** again to leave programming.

Fast programming 4 values:

- Press **MEMORY** (The output drops to 0V during programming)
- Display shows a voltage and EPO (programming state)
- Press **UP** or **DOWN** to select the voltage to program.
- Press **M1** to program.
- The display shows the voltage and E01, to show this is the M1 programmed value
- Press **UP** or **DOWN** to select the next voltage to program.
- Press **M2** to program.
- Press **UP** or **DOWN** to select the next voltage to program.
- Press **M3** to program.
- Press **UP** or **DOWN** to select the next voltage to program.
- Press **M4** to program.
- Press **MEMORY** again to store the programming.
- Press **OUTPUT**
- Press **M1**, **M2**, **M3** or **M4** to select a voltage
- Press **OUTPUT** to activate voltage to output terminals

4. Quick reference card

Change live voltage:

- Short press **UP** or **DOWN** to change 0.1V
- **WARNING: DO NOT** hold **UP** or **DOWN** pressed too long, setpoint runs away uncontrolled!

Change voltage by programmed setpoint

- Press **OUTPUT**: Output voltage drops to 0V (display shows SEI on lower line)
- Select voltage setpoint with **M1**, **M2**, **M3**, **M4** or **UP**, **DOWN** (upper display shows selected value)
- Press **OUTPUT**: The display and output will slowly ramp up to the preset value.

Programming a memory:

- Press **MEMORY** (The output drops to 0V during programming), Display shows a voltage and EPO
- Press **UP** or **DOWN** to select the voltage to program.
- Press the memory position to program, for example **M2**, The display shows the voltage and E02
- Press **MEMORY** again to leave programming.