PowerEase® 300W Power Supply

Catalog Numbers PS0300, PS0301, PS0302
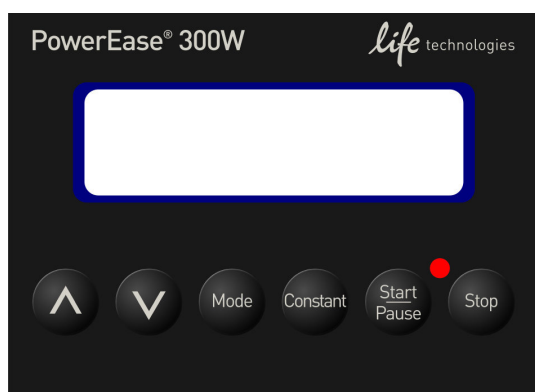**Publication Number** MAN0008921   **Rev.** 1.0

Use the following instructions to operate the PowerEase® 300W Power Supply. For more information and detailed instructions, refer to the PowerEase® 300W Power Supply manual, available at **www.lifetechnologies.com/manuals**.

Before starting

1. Ensure the AC power switch located on the back of the power supply is in the **Off** position.
2. Attach the power cord to the AC inlet of the power supply.

   Note: Use only properly grounded AC outlets and power cords.
3. Plug the power supply into the appropriate electrical outlet.
4. Connect the leads from an electrophoresis unit to the power supply by inserting the positive lead into the red output jack, and the negative lead into the black output jack.

PowerEase® 300W Power Supply key pad

Front view of the PowerEase® 300W Power Supply.

Press...	To...
∧ (Up Arrow)	Move the cursor up and increase values when settings are flashing.
∨ (Down Arrow)	Move the cursor down and decrease values when settings are flashing.
MODE	Select **Constant Mode** or **Program Mode**. **Note:** The **MODE** key cycles between voltage, current, power, and time settings, allowing values to be changed.
CONSTANT	Toggle between constant voltage, current, or power operation.
START/PAUSE	Start, pause, and resume power supply operation without resetting the timer.
STOP	Stop power supply operation *and* reset the timer.

Constant mode quick operation instructions

Use the following instructions to operate the PowerEase® 300W Power Supply in Constant Mode. For Program Mode instructions, refer to the PowerEase® 300W Power Supply manual.

Note: The PowerEase® 300W is a high throughput power supply. For optimal performance, Life Technologies recommends using Constant Voltage Mode (see step 3, below) when using the instrument with 1 or 2 protein gels or blots.

1. Turn the AC power switch at the back of the power supply to the **On** position.
   - The PowerEase® 300W Power Supply screen displays **Constant Mode** and **Program Mode.**
   - **Constant Mode** will be displayed in yellow letters surrounded by a black box.

   Note: You may use the directional arrow buttons (∨∧) to toggle between **Constant Mode** and **Program Mode**, if needed.
2. Press **MODE** to select constant mode operation.
   - The Power Ease 300W Power Supply defaults to Constant Voltage Mode operation.
   - The screen displays the last set **V** (voltage) in large bold type on the left side of the display and **TIME**, **AMPS**, and **WAT** (watts) in small type on the right side of the display.
3. Press **CONSTANT** to toggle between the operating modes: Constant Voltage Mode, Constant Current Mode, and Constant Power Mode.
   - The screen displays the selected operating mode in large bold type on the left of the display.
4. Press **MODE** to edit the parameters of the operating mode: Volts, Hours, Minutes, Amps and Watts.
5. While a value is flashing, you may use the directional arrow buttons (∨∧) to change the values.
   - The values stop flashing and the instrument exits editing mode 5 seconds after the last key has been pressed.
   - If you set **Time** to **00:00**, the power supply will run continuously.
6. Press **START/PAUSE** to start electrophoresis.
   - The red light on the display will illuminate while power is applied to the load.
   - Electrophoresis stops when the timer reaches **00:00** if a time has been set.
   - When electrophoresis stops, the power supply *beeps* and the screen flashes **TIME UP**.
7. Press **STOP** to silence the *beep* and return to the Constant Operating Mode display.

For Research Use Only. Not for use in diagnostic procedures.

The information in this guide is subject to change without notice.