

KPS-3006 AC DC Power Supply



Specifications

● Technical Specifications

- Output Voltage (Channel 1 & 2) : 0-30.0 Volt Continuously Variable
- Output Current (Channel 1 & 2) : 0-6.00 Ampere Continuously Variable.
- Metering: 7 segment LED 3 Digit Green/ Meter Accuracy : ± 3 counts

● Constant Voltage Mode (Channel 1)

- Line Regulation : $\pm 0.1\% \pm 2\text{mV}$ for $\pm 10\%$ change in line output.
- Load Regulation : $\pm 0.1\% \pm 2\text{mV}$ for load change from zero to full load.
- Ripple & Noise : $< 0.01\%$ rms

● Constant Current Mode (channel 1)

- Line Regulation : $\pm 0.1\% \pm 500\mu\text{A}$ for $\pm 10\%$ line change.
- Load Regulation : $\pm 0.1\% \pm 500\mu\text{A}$ for change in output voltage from 0 - to maximum.
- Ripple & Noise : 0.05% rms.

- Mode of Indication CV & CC: GREEN LED(CV), RED LED (CC)
- Output Polarity : Floating with respect to ground.
- Overload & Short Circuit : Automatically Protected
- AC VOLTAGE Output Voltage: 0-30 Volt Continuously Variable.
- Output Current : 6 Amps Max. (Desired current can be continuously adjusted by the control knob. Exceeding selected current limit will be indicated by RED LED and output will be isolated for 5 seconds. Adjust Current or vary load to resume.

● Stability (Channel 1)

- Total drift in CV mode : $< \pm 0.2\% + 5\text{mV}$ (within 8 hours after warm-up)
- Total drift in CC mode : $< \pm 0.5\% + 5\text{mA}$ (within 8 hours after warm-up)
- Operating Temperature : $0-50^\circ\text{C} \pm 10\%$.
- Line Voltage : 230V AC $\pm 10\%$ 50Hz, single phase

● Dimension

- 156.0mm(H) 306.0mm(W)
300.0mm(D)
- Weight : 8.0kg(Approx.)

Note : Specifications can be altered without notice in our constant efforts for improvement.