



MODEL- PS-3002-55-151

TECHNICAL SPECIFICATIONS

Output Voltage (Channel 1)	: 0-30.0 Volt
Output Current (Channel 1)	: 0-2.00 Ampere
Output Voltage (Channel 2)	: 0-5.5 Volt
Output Current (Channel 2)	: 5.00 Ampere max.
Output Voltage (Channel 3)	: ± 1.5 -15.5 Volt simultaneously variable (Tracking)
Output Current (Channel 3)	: 1.00 Ampere max.
Metering (Channel 1)	: 7 segment LED 3 Digit DPM Green for Volt and Red for current.
Metering (Channel 2 & 3)	: 7 segment LED 3 Digit DPM Green for Voltage.
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	: GREEN LED indication for Constant Voltage (CV) operating mode.
Mode of Indication CC	: RED LED indication for Constant Current (CC) operating mode
Output Polarity	: Floating with respect to ground.
Overload Protection	: Automatic
Short Circuit Protection	: Automatic

STABILITY* (Channel 1, 2 & 3)

Total drift in Voltage & Current	: $< \pm 0.2\% + 5\text{mV} \& 5\text{mA}$ respectively (within 8 hours after warm-up)
Operating Temperature	: $0-50^\circ\text{C} \pm 10\%$.
Line Voltage	: 230V AC $\pm 10\%$ 50Hz, single phase
Dimensions**	: 156.0mm(H) 306.0mm(W) 300.0mm(D) Weight : 9.5kg(Approx.)

Note: Sai Systems reserves the right to specifications and are subject to change without notice. *With constant line, load and ambient temperature conditions. ** All dimensions are behind the panel 4 excluding legs