



MODEL- PS-3002DT

TECHNICAL SPECIFICATIONS

Output Voltage (Channel 1 & 2) : 0-30.0 Volt

Output Current (Channel 1 & 2) : 0-2.00 Ampere

Metering : 7 segment LED 3 Digit DPM Green/ Red.

Meter Accuracy : ± 3 counts.

CONSTANT VOLTAGE MODE (Channel 1 & 2)

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 & 2)

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 & Short Circuit : Automatically Protected

Over temperature Protection : Automatic Cut off and Resume

TRACKING MODES

Independent Mode : Each Channel Individually controls for 0-30 Volt and 0-2 Amps

Parallel Mode : MASTER Controls both Channel to get 0-30 volt and 0-4 Amps

Series Mode : MASTER Controls both Channel to get 0-60 volt and 0-2 Amps

STABILITY* (Channel 1 & 2) (Operating Temperature between 0-50°C $\pm 10\%$.)

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)

FIXED OUTPUT : 5Volt 2 Ampere with over load and Short circuit protection

Line Voltage : 230V AC $\pm 10\%$ 50Hz, single phase

Dimensions** : 156.0mm(H) 306.0mm(W) 300.0mm(D) Weight : 6.0kg(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