

This series is high-precision single output DC regulated power supply with its output voltage adjustable continuously from 0V on in the nominal range. Constant voltage and constant current are switchable automatically, and the current-limit protection point can be set arbitrarily. In the constant current state, output current is continuously adjustable from 0A on in the nominal range. Output current and voltage can be indicated by meter or LED(LCD).

|        |         |       |       |       |       |       |       |       |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|
| Rated  | Voltage | 0~20V | 0~30V | 0~30V | 0~30V | 0~40V | 0~40V | 0~50V |
| Output | Current | 0~5A  | 0~2A  | 0~3A  | 0~5A  | 0~3A  | 0~6A  | 0~5A  |

Table 1.

## 1. TECHNICAL DATA:

1.1 Input voltage: 110VAC or 220VAC 60Hz or 50Hz

1.2 Output voltage: see table1.

1.3 Output current: see table1.

1.4 Source regulation: C.V.  $\leq 1 \times 10^{-4} + 0.5\text{mV}$

C.C.  $\leq 2 \times 10^{-3} + 6\text{mA}$

1.5 Load regulation: C.V.  $\leq 1 \times 10^{-4} + 2\text{mV}$  ( $I_{\text{rated}} \leq 3\text{A}$ )

C.V.  $\leq 1 \times 10^{-4} + 5\text{mV}$  ( $I_{\text{rated}} > 3\text{A}$ )

C.C.  $\leq 2 \times 10^{-3} + 6\text{mA}$

1.6 Ripple and noise: C.V.  $\leq 1\text{mV (rms)}$  ( $I_{\text{rated}} \leq 3\text{A}$ )

C.V.  $\leq 20\text{mV}_{\text{p-p}}$  ( $I_{\text{rated}} > 3\text{A}$ )

C.C.  $\leq 3\text{mA (rms)}$

C.C.  $\leq 50\text{mA}_{\text{p-p}}$

1.7 Protection: current-limit

1.8 Indication accuracy:

a. Volt-indication: LED (LCD)  $\pm 1\% \pm 2\text{digits}$ ; meter class of 2.5 (F.S.)

b. Amp-indication: LED (LCD)  $\pm 2\% \pm 2\text{digits}$ ; meter class of 2.5 (F.S.)

## 2. OPERATION

### 2.1 Controls and description of front-panel