

# 3000 Series

60-200 WATTS LINEAR

## Features

- Constant voltage/current
- Floating outputs
- Series/parallel available
- Master/Slave selectable
- Linear technology
- Low ripple
- Additional 5V/5A fixed output



## Specifications

### INPUT

Voltage 230 VAC, 50Hz.

### OUTPUT

Constant voltage (CV) Load regulation:  $\pm 0.01\% + 2\text{mV}$ .  
Line regulation:  $\pm 0.01\% + 2\text{mV}$ .

CV ripple and noise 3000 Series:  $< 1\text{mVrms}$ .  
6000 Series:  $< 1\text{mVrms}$ .

Constant current (CC) Load regulation:  
3000 Series:  $< 10\text{mA}$ .  
6000 Series:  $< 15\text{mA}$ .

Line regulation  $\pm 0.01\% + 2\text{mA}$

CC ripple and noise 3000 Series:  $< 3\text{mArms}$ .  
6000 Series:  $< 3\text{mArms}$ .

Rise time(no load)  $< 100\text{mS}$ .

Rise time (load)  $< 200\text{mS} (< 6\text{A})$ ,  $< 500\text{mS} (< 10\text{A})$ ,  
 $< 1\text{S} (> 10\text{A})$ .

Fall time (no load)  $< 2.5\text{S}$ .

Fall time (load) 3000 Series:  $< 250\text{mS}$ .  
6000 Series:  $> 250\text{mS}$ .

Output impedance  $< 2\text{m}\Omega + 2\mu\text{H}$ .

Recovery time  $< 100\mu\text{S}$  to within 0.1% of set voltage (50% to 100% load change).

### TRACKING OPERATION

Tracking error  $\pm 0.2\% + 10\text{mV}$  (6000 series).

Series regulation  $< 0.3\% + 10\text{mV}$  (6000 series).

5V FIX OUTPUT (6000 Series)

Load regulation  $< 10\text{mV}$ .

Line regulation  $< 5\text{mV}$ .

Ripple & noise  $< 2\text{mVrms}$ .

Voltage accuracy  $5\text{V} \pm 0.25\text{V}$ .

Output current 5A.

## OPERATING

Digital display  $< 0.2\% + 2\text{Dig}$ .

Series connection Different models can be connected in series ( $< 240\text{V}$ ).

Parallel connection Same model can be connected in parallel ( $< 24\text{A}$ ).

Master – slave Yes (for single-set operation). N/A (for multi-set connection).

Independent operation mode Two independent outputs and 5V fixed output. Output from 0 to rated volts and 0 to rated amperes (6000 series).

Series operation mode Output from 0 to  $\pm$  rated volts and rated amperes. Output from 0 to double rated volts at rated amperes (6000 series).

Parallel operation mode Output from 0 to double rated amperes at rated volts (6000 series).

## STANDARDS AND APPROVALS

Safety standard IEC-1010-1.

CE mark Yes

## Selection Table

| MODEL NUMBER                     | OUTPUT 1  | OUTPUT 2 | OUTPUT 3 | DIMENSIONS (LXWXH) | WEIGHT (KG) |
|----------------------------------|-----------|----------|----------|--------------------|-------------|
| <b>Single output 3000 Series</b> |           |          |          |                    |             |
| 3303DS                           | 0-30V/3A  |          |          | 290 x 120 x 160 mm | 5,2         |
| 3601DS                           | 0-60V/1A  |          |          | 290 x 120 x 160 mm | 5,2         |
| <b>Triple output 6000 Series</b> |           |          |          |                    |             |
| 6303DS                           | 5V/5A fix | 0-30V/3A | 0-30V/3A | 366 x 230 x 160 mm | 12,0        |