

# DC Electronic Load

## 150W~300W, Single-Channel, Programmable

**multicomp**PRO



### Description

These are 150W~300W, Single-channel programmable DC electronic loads, are designed for middle & high-end applications. They can be offered as multiple solutions according to customer's need. The online voltage measurements and adjustments or simulate short circuit test using the simple keypad on the front panel, can be used by the end users.

### Features

- 120V, 0-30A, 150W and 300W
- Dynamic mode: up to 10kHz
- Resolution of voltage and current: 0.1mV/0.1mA
- 4 working modes: CV/CC/CR/CW
- Remote sensing function
- Battery test, automatic test, OPP test, OCP test functions
- 100 sets of storage
- Short circuit function
- Current monitoring function
- Power off memory function
- Interfaces: USB, RS232 and LAN

### Specification Table

|              | 72-13200   | 72-13210   |
|--------------|--|--|
| Input Rating | Power: 150W / Voltage: 0 ~ 120V /<br>Current: 0 ~ 30A  | Power: 300W / Voltage: 120V / 230V<br>Current: 0 ~ 30A   |
| CC Mode      | Range: 0-3A / 0-30A<br>Resolution: 0.1mA / 1mA<br>Accuracy: $\pm(0.05\% + 0.05\% \text{ FS})$                                      | Range: 0-3A / 0-30A<br>Resolution: 0.1mA / 1mA<br>Accuracy: $\pm(0.05\% + 0.05\% \text{ FS})$                                      |
| CV Mode      | Range: 0-18V / 0-120V<br>Resolution: 0.1mV/1mV<br>Accuracy: $\pm(0.05\% + 0.025\% \text{ FS})$                                     | Range: 0-18V / 0-120V<br>Accuracy: $\pm(0.05\% + 0.025\% \text{ FS})$  |
| CR Mode      | Range: 0.05 $\Omega$ -7.5k $\Omega$<br>Resolution: 16 bit<br>Accuracy: 0.015% + 0.1s   | Range: 0.05 $\Omega$ -7.5K $\Omega$<br>Resolution: 16 bit<br>Accuracy: $\pm(0.015\% + 0.1\text{s})$                                |
| CW Mode      | Range: 150W<br>Resolution: 0.01W<br>Accuracy: $\pm(0.1\% + 0.1\% \text{ FS})$  | Range: 300W<br>Resolution: 0.01W<br>Accuracy: $\pm(0.1\% + 0.1\% \text{ FS})$  |
| Slope        | Range: 0-3A / 0-30A<br>Rising: 0.0001-0.15A/ $\mu$ s / 0.001-1.5A/ $\mu$ s<br>Falling: 0.0001-0.15A/ $\mu$ s / 0.001-1.5A/ $\mu$ s | Range: 0-3A / 0-30A<br>Rising: 0.0001-0.15A/ $\mu$ s / 0.001-1.5A/ $\mu$ s<br>Falling: 0.0001-0.15A/ $\mu$ s / 0.001-1.5A/ $\mu$ s |

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|                              | 72-13200  | 72-13210  |
|------------------------------|---|---|
| Voltage Measurement          | Range: 0-18V / 0-120V<br>Resolution: 0.1mV/1mV<br>Accuracy: $\pm(0.025\% + 0.025\% \text{ FS})$ | Range: 0-18V / 0-120V<br>Resolution: 0.1mV/1mV<br>Accuracy: $\pm(0.025\% + 0.025\% \text{ FS})$ |
| Current Measurement          | Range: 0-3A / 0-30A<br>Resolution: 0.1mA / 1mA<br>Accuracy: $\pm(0.05\% + 0.05\% \text{ FS})$   | Range: 0-3A / 0-30A<br>Resolution: 0.1mA / 1mA<br>Accuracy: $\pm(0.05\% + 0.05\% \text{ FS})$   |
| Power Measurement            | Range: 150W<br>Resolution: 0.01W<br>Accuracy: $\pm(0.1\% + 0.1\% \text{ FS})$                   | Range: 300W<br>Resolution: 0.01W<br>Accuracy: $\pm(0.1\% + 0.1\% \text{ FS})$                   |
| Over Power Protection        | 160W  | 320W  |
| Over Current Protection      | 3.3A/33A  | 3.3A/33A  |
| Over Voltage Protection      | 125V  | 125V  |
| Over Temperature Protection  | 85°C  | 85°C  |
| Input Impedance              | 150kΩ   | 150kΩ   |
| Interfaces                   | USB, RS232 and LAN  | USB, RS232 and LAN  |
| Weight and Dimension (W×D×H) | 5.17 kgs / 107mm×215mm×386mm  | 5.17 kgs / 107mm×215mm×386mm  |

### Part Number Table

| Description   | Part Number |
|---|-------------|
| 120V, 0-30A, 150W, Single Channel, Programmable DC Electronic Load with Interfaces USB, RS232 & LAN | 72-13200    |
| 120V, 0-30A, 300W, Single Channel, Programmable DC Electronic Load with Interfaces USB, RS232 & LAN | 72-13210    |

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