

DC Electronic Load

150W~300W, Single-Channel, Programmable



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

- 0-120V, 0-30A, 150W ~ 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 & LAN

Specification Table

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



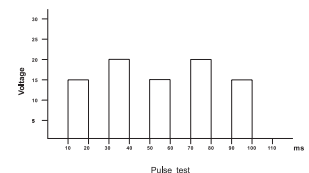
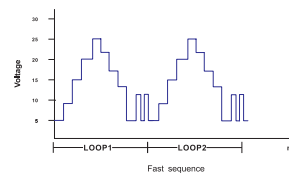
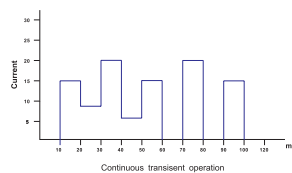
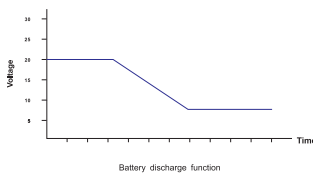
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150W~300W, Single-Channel, Programmable



| | 72-13200 | 72-13210 |
|------------------------------|---|---|
| Voltage Measurement | Range: 0-18V / 0-120V Resolution: 0.1mV/1mV Accuracy: $\pm(0.025\% + 0.025\% \text{ FS})$ | Range: 0-18V / 0-120V Resolution: 0.1mV/1mV Accuracy: $\pm(0.025\% + 0.025\% \text{ FS})$ |
| Current Measurement | Range: 0-3A / 0-30A Resolution: 0.1mA / 1mA Accuracy: $\pm(0.05\% + 0.05\% \text{ FS})$ | Range: 0-3A / 0-30A Resolution: 0.1mA / 1mA Accuracy: $\pm(0.05\% + 0.05\% \text{ FS})$ |
| Power Measurement | Range: 150W Resolution: 0.01W Accuracy: $\pm(0.1\% + 0.1\% \text{ FS})$ | Range: 300W Resolution: 0.01W 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 & LAN | USB, RS232 & LAN |
| Weight and Dimension (W×D×H) | 5.17 kgs / 107mm×215mm×386mm | 5.17 kgs / 107mm×215mm×386mm |

Curves



Part Number Table

| Description | Part Number |
|---|-------------|
| 0-120V, 0-30A, 150W, single channel, programmable DC electronic load with interfaces USB, RS232 & LAN | 72-13200 |
| 0-120V, 0-30A, 300W, single channel, programmable DC electronic load with interfaces USB, RS232 & LAN | 72-13210 |

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