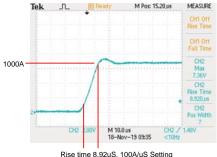
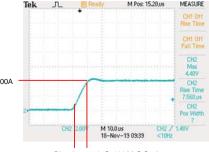
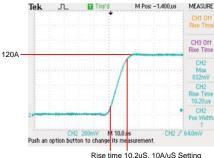


High Slew-Rate Compact High Power 34110A-11 DC Electronic Load (100A/µS)









Rise time 7.56uS, 100A/uS Setting

Features

- Slew-Rate : Up to 100A/µS
- Maximum power up to 80KW
- Maximum up to 8 units master / slave parallel control
- 5 digit V/A/W Meter.
- High-speed measurement and communication transmission.
- Large LCD Display setting values can be adjusted by rotary knob or push button.
- Voltage \ Current and Watt value can be displayed simultaneously.
- Capable for Power Factor Correction (PFC) Test. (for 600V, 1000V models)
- OCP \ OPP test function automatically.
- Power ON status can be set.

- CC, CR, CV, CP, Dynamic and Short operation mode.
- SHORT time setting.
- Protections against I,W,°C and over-voltage alert.
- Voltage meter display the polarity positive ("+") or negative ("-") is selectable.
- Short, OCCP and OCDP function test for BMS protection board is provided (option).
- Option: Emergency Stop and Analog Control are available.
- Optional Interface : GPIB \ RS232 \ USB \ LAN.
- 0.7V @ 1000A is on Static condition, and the starting voltage must be greater than 5V, if on Dynamic condition that is 5V @ 1000A.

Descriptions

- 34000A Series has its own control and display panel, CC / CR / CV / CP / Dynamic modes, 150 sets Store / Recall memory which provides load set-up more efficiently, also can be remote controlled via GPIB > RS232 > USB and LAN interface.
- SHORT time setting and SHORT_VH, SHORT_VL setting function, also can measure Short Voltage and Current.
- Dynamic can be simulated under CC, CP mode. The current Rise / Fall slew rate can be adjusted individually and there is an external signal input for a Arbitrary Waveform to simulate load current.
- Single key for OCP \ OPP test function will be more efficiency and accuracy on OCP \ OPP testing.
- Programmable Load ON/OFF voltage, GO/NG meter check, Voltage meter display " + " or " - " is selectable and 150 sets Store/Recall larger memory is much advance feature for each different application.
- 150 sets test parameter and status storage function, user can recall the storage memory real time in accordance with the auto sequence requirement.
- Maximum Voltage up to 1000V provide an idea testing solution for Power Factor Correction test.
- Master / Slave control units maximum are up to 1 MASTER, 7 SLAVES.

Applications

- Voltage / Current source
- SMPS transient response
- CV/Current limit testing and battery emulation
- Battery charger
- Battery discharge
- R&D Quality Control
- ATE system
- Production testing

| | Specification | ons | | |
|---|--|-----------------------|------------------------|--|
| MODEL | · | | | |
| Power | 10KW | | | |
| Current | 0 ~ 150A | | 0 ~ 1500A | |
| Voltage Min. Operating Voltage | 0.41/.@.450.4 | 0 ~ 60V | 41/ @ 45004 | |
| Protections | 0.1V @ 150A | | 1V @ 1500A | |
| Over Power Protection (OPP) | | 105% | | |
| Over Current Protection (OCP) | 104% | | | |
| Over Voltage Protection (OVP) | 105% | | | |
| Over Temp Protection (OTP) Constant Current Mode | | Yes | | |
| Range*1 | 0-150A | | 0-1500A | |
| Resolution | 2.4mA | | 24mA | |
| Accuracy | ± (0. | 1% Setting+ 0.2% R | ange) | |
| Constant Resistance Mode Range | 2400-0.04ohm | | 0.04-0.0007ohm | |
| Resolution | 555.5uS | | 0.7μΩ | |
| Accuracy | | 2% of (Setting + Ra | | |
| Constant Voltage Mode | | | <u> </u> | |
| Range | | 60V | | |
| Resolution Accuracy | 1mV ±0.05% of (Setting + Range) | | | |
| Constant Power Mode | ±0.0 | o /o or (Setting + Ka | go, | |
| Range | 1000W | | 10000W | |
| Resolution | 16mW | | 160mW | |
| Accuracy Constant Valtage Made - Constant (| ± 0.5% of (Setting + Range) | | | |
| Constant Voltage Mode + Constant (Range | Gurrent Mode 60V | | 1500A | |
| Resolution | 1 m V | | 24mA | |
| Accuracy | | 0% of (Setting + Ra | nge) | |
| Constant Voltage Mode + Constant F | | | 1000011 | |
| Range Resolution | 60 V 1 m V | | 10000W 160mW | |
| Accuracy | |)% of (Setting + Ra | | |
| MPPT Mode | | · | <u> </u> | |
| Algorithm | P&O + Scanning | | | |
| Load mode Sampling interval | CC, CR,CV (MPPT C, R, V) 10ms~2000ms; resolution 1ms | | | |
| P&O interval | 10ms~2000ms; resolution 1ms | | | |
| Memory situation | Discard old data and keep catching new data | | | |
| Dynamic Mode | | | | |
| Timing | 0.040.0 | 000 / 00 00 / 000 0 | / 0000 | |
| Thigh & Tlow Resolution | 0.010~9.999 / 99.99 / 9999mS 0.001 / 0.01 / 0.1 / 1mS | | | |
| Accuracy | | 0μS/100μS/1mS + | | |
| Slew Rate | 0.16A~10A/µS | | 1.6A~100A/µS | |
| Resolution | 0.04A/µS | | 0.4A/µS | |
| Min. Rise Time Current | | 10µs(typical) | | |
| Range | 0~150A | | 150~1500A | |
| Resolution | 2.4mA | | 24mA | |
| Measurement | | | | |
| Voltage Read Back Range (5 Digital) | 0~6V | | 6~60V | |
| Resolution | 0~6V 0.1mV | | 1 m V | |
| Accuracy | | 5% of (Reading + R | | |
| Current Read Back | | | 150 1500 | |
| Range (5 Digital) Resolution | 0~150A 2.4mA | | 150~1500A | |
| Accuracy | | % of (Reading + Ra | 24mA | |
| Power Read Back | 10.1 | J. (Juding 1 Ke | ····· y - / | |
| Range (5 Digital) | 0~1000W | | 10000W | |
| Resolution | 0.01W | = 0/ - t /D - 1: | 1W | |
| Accuracy General | ±0.128 | 5% of (Readingg + 1 | ≺ange) | |
| Short Circuit | | | | |
| Current | 1500A | | | |
| Load ON Voltage | 0.1 ~ 25V | | | |
| Load OFF Voltage | 0 ~ 25V | | | |
| Power Consumption Operating Temperature'2 | 1000VA 0~40°C | | | |
| Dimension (HxWxD) | 0~40 C 573x647x766mm | | | |
| HxWxD (Not included wheels) | 469x647x766mm | | | |
| Weight | 130 kg | | | |
| Safety & EMC | CE | | | |

 ${\bf Cooling: Advanced\ Fan\ Cooled}$

Input AC Power : ① Load-20KW (include) : $100~230~\text{Vac}~\pm10\%$, 50/60Hz

② Load-25KW above (include) : 200~230 Vac $\pm 10\%$, 50/60Hz

 $Note^{\star}1: The \ range \ is \ automatically \ or \ forcing \ to \ range \ II \ only \ in \ CC \ Mode$

Note*2 : Operating temperature range is 0~40°C $\,^{,}$ all specifications apply for 25°C±5°C

 $Note^{\star}3: 0.7V \ @ \ 1000A \ is \ on \ Static \ condition, \ and \ the \ starting \ voltage \ must \ be \ greater \ than \ 5V,$ if on Dynamic condition that is 5V @ 1000A

Order Information

Optional interface: Options: Hook ring

GPIB Card

RS232 Card 3 USB Card

4 LAN Card





34110A-11 60V, 1500A, 10KW