

Electronic Load for Fuel Cell Test WEL Series



Feature

- 16-bit precision control & measurement for low voltage fuel cell application
- Operation below 0.1Volts at 60Amperes
- 4 current ranges & 4 voltage ranges
- User defined current and/or voltage ranges available
- Impedance spectroscopy available via external in & current monitor ports with Z# multichannel impedance monitor
- Max. 10kHz impedance measurement available
- Multichannel operation is available
- Zero voltage booster as option
- Control software
- Remote control via RS232

Specification

Max power: Depending on model

Max. Voltage: 50Volt

Max. Current: 100Amp

Constant Current Mode

Range	100 A, 50A, 10A, 5A
Accuracy	± 0.5 %
Regulation	± 0.1 %
Resolution	16 bit

Constant Voltage Mode

Range	10V, 5 V, 2 V, 1 V
Accuracy	± 0.5 %
Regulation	± 0.1 %
Resolution	16 bit

Constant Power Mode

Range	0 to max power
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Auxiliary In/Out

External Input	0 to 10V (0 to selected FS)
Current Monitor	0 to 10V (0 to selected FS)

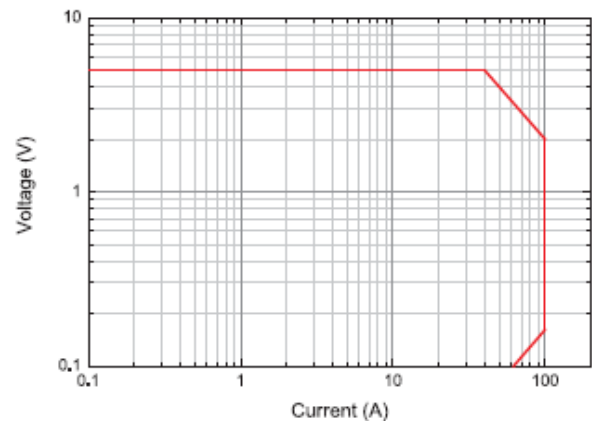
Protection

Voltage Limit	105%FS
Current Limit	105%FS
Power Limit	210 Watts

AC Power Supply

AC Voltage Input	90 - 240VAC, 48 - 62Hz
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Input Characteristics



(Voltages are measured at load input terminals)

Outline



front Panel

WLOAD range

- ✓ WLOAD100; 100Watt
- ✓ WLOAD200; 200Watt
- ✓ WLOAD300; 300Watt
- ✓ WLOAD400; 400Watt.

Option

- Multichannel Option
- Ext In/ Vout/ Iout terminal option
- Z# multichannel impedance monitor