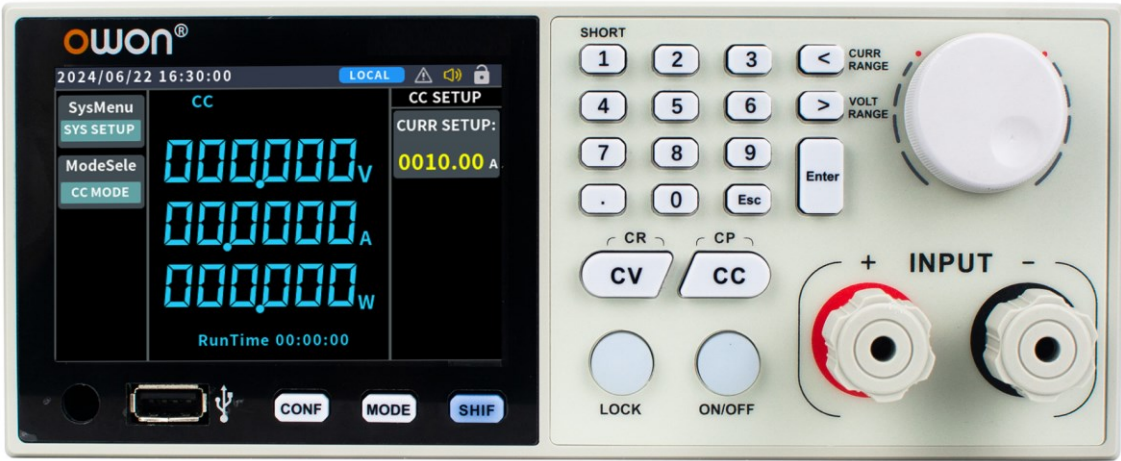




OEL85 Series DC Electronic Load

OEL8511-150-20 200W
OEL8512-150-40 400W



Features

- 1/2 2U standard rack size, suitable for rack-mount use.
- 3.9-inch TFT color LCD display
- Measurement range: 0-150V/0-40A, 200W/400W
- Four operation modes Supports: constant voltage, constant current, constant resistance, constant power
- Dynamic current testing supports, with dynamics up to 10kHz
- High-resolution voltage and current readback: 1mV/0.1mA
- Remote compensation supports.
- Multiple protections: overvoltage, overcurrent, overpower, overheat, etc.
- Standard RS232 interface, supports SCPI protocol.



Technical Specifications

The following test specification parameters require the instrument to operate continuously for more than 30 minutes under the specified temperature conditions.

MODEL		OEL8512		OEL8511	
	Unit	specification			
Input Voltage Range	V	0-150		0-150	
Input Current Range	A	0-40		0-20	
Input Power	W	400		200	
Minimum Operate Voltage	V	2V@40A		2V@20A	
Constant Voltage Mode					
Range	V	0-150		0-150	
Resolution	mV	1		1	
Accuracy		0.05%+0.05%FS		0.05%+0.05%FS	
Constant Current Mode					
Range	A	0-4	0-40	0-4	0-40
Resolution	mA	1	1	1	1
Accuracy		0.03%+0.03%FS		0.03%+0.03%FS	
Constant Resistance Mode					
Range	Ω	0.05-7.5k		0.05-7.5k	
Accuracy *1		0.1%+0.01%R		0.1%+0.01%R	
Constant Power Mode					
Range	W	400		400	
Resolution	mW	10		10	
Accuracy *1		0.1%+0.1%FS		0.1%+0.1%FS	
Dynamic Mode					
T1&T2		0.1ms-50s		0.1ms-50s	
Rise/Fall Slope		0.01A/ms-2000A/ms		0.01A/ms-2000A/ms	
Minimum Rise Time	us	20us		20us	
Voltage Readback					
Range	V	0-150			
Resolution	mV	1			
Accuracy		0.03%+0.025%FS			
Current Readback					
Range	A	0-4	0-40	0-4	0-40
Resolution	mA	0.1	0.1	0.1	0.1
Accuracy		0.03%+0.03%FS		0.03%+0.03%FS	
Power Readback					



Range	W	0-400	0-200
Resolution	mW	10	10
Accuracy		0.1%+0.1%FS	0.1%+0.1%FS
Protection			
Overpower Protection	W	>OPP, 10ms delay protect	>OPP, 10ms delay protect
Overvoltage Protection	V	>OVP, 0.1ms delay protect	>OVP, 0.1ms delay protect
Overcurrent Protection	V	>OCP, 0.1ms delay protect	>OCP, 0.1ms delay protect
Overtemperature		85℃	
Short			
CC mode	A	>40	>20
CV mode	V	0	0
CR mode	mΩ	50	50
AC Parameters			
Voltage Range	V	110V ±10% or 220V ±10%	
Frequency Range	Hz	50/60Hz	
Interface			
RS-232	SCPI support.		
General			
Heat dissipation	Internal intelligent fan with forced air cooling		
Safety	Complies with European EMC Directive 89/336/EEC for Class A testing and measurement products		
Withstand voltage (output to ground)	500V/DC/1mA		
Withstand voltage (Input to ground)	1.5KV/AC/5mA		
Dimension(LWH)	375mm*215mm*88mm		
Weight kg	4		2

*1: Accuracy applies when voltage and current input values are not less than 10% FS.
Specifications are subject to change without notice. Please refer to the website for updates.

+ **Accessories** The picture is for reference only, please refer to the actual product



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