

OEL85 Series Technical Specifications

The instrument must be operated continuously for more than 30 minutes at the specified operating temperature to achieve the following specifications:

Model		OEL8512(T)	OEL8512B (T)	OEL8512C (T)	OEL8511(T)	OEL8511B (T)	OEL8511C (T)	OEL8513 (T)
Input	Volt age	0-150V	0-300V	0-600V	0-150V	0-300V	0-600V	0-150V
	Curr ent	0-40A			0-20A			0-40A
	Pow er	400W			200W			500W
Minimum Operation voltage		1.1V@40A			0.8V@20A			1.1V@40A
Constant voltage mode (CV)								
Range		0-150V	0-300V	0-600V	0-150V	0-300V	0-600V	0-150V
Resolution		1mV			1mV			1mV
Accuracy		0.05%+0.05%FS						
Constant current mode (CC)								
Range		0-40A			0-20A			0-40A
Resolution		1mA			1mA			1mA
Accuracy		0.03%+0.03%IFS						
Constant resistance mode (CR)								
Range		0.05-7.5k						
Accuracy *1		0.1%+0.01%R						
Constant power mode (CP)								
Range		400W			200W			500W
Resolution		10mW			10mW			10mW
Accuracy *1		0.1%+0.1%FS						
Dynamic mode (CCD)								
T1&T2		0.1ms-50s						
Rise/Fall slope		0.01A/ms-2000A/ms						

Min rise time	20us												
Voltage readback value													
Range	0-1 5V	0-150 V	0-3 0V	0-300 V	0-60 V	0-600 V	0-15 V	0-15 0V	0-30 V	0-30 0V	0-60 V	0-600 V	0-150V
Resolution	1mV		1mV		1mV		1mV		1mV		1mV		1mV
Accuracy	0.03%+		0.03%+		0.03%+		0.03%+		0.03%+		0.03%+		0.03%+
	0.05%FS		0.05%FS		0.05%FS		0.05%FS		0.05%FS		0.05%FS		0.05%FS
Current readback value													
Range	0-40A						0-20A						0-40A
Resolution	0.1mA						0.1mA						0.1mA
Accuracy	0.03%+0.03%FS												
Power readback value													
Range	0-400W						0-200W						0-500W
Resolution	10mW												
Accuracy	0.1%+0.1%FS												
Protection function													
OPP	>OPP value 10ms protection												
OVP	>OVP value 0.1ms protection												
OCP	>OCP value 0.1ms protection												
OTP	85℃												
Short circuit													
Current (CC)	>40A						>20A						>40A
Voltage (CV)	0												
Resistance (CR)	50mΩ												
Test Function													
Battery test, OCP	Optional, only for “T”version												
AC parameter													
Voltage range	110V ±10% or 220V ±10%												
Frequency range	50/60Hz												
Interface													

RS-232	Supported SCPI		
General			
Heat dissipation	Internal intelligent fan forced air cooling		
Safety	Compliant with the European EMC Directive 89/336/EEC, for Class A test and measurement products		
Withstand voltage (Input to Ground)	1.5KV/AC/5mA		
Volume (L*W*H)	375mm*215mm*88mm		
Net weight	Approx. 5kg	Approx. 4.2kg	Approx. 5kg

* 1 Accuracy: The voltage and current input values should not be less than 10%FS

If there are any changes to parameters, no separate notice will be given. Please refer to the website update for the latest information.

Interval Period of Adjustment: One year is recommended for the calibration interval period.



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V1.0.0