

OEL15&30 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		OEL 1530	OEL 1520	OEL 1515	OEL 3030	OEL 3020	OEL 3015	OEL 6030	OEL 6020	OEL 6015
Input	Voltage	0-150V			0-300V			0-600V		
	Current	0-30A	0-20A	0-15A	0-30A	0-20A	0-15A	0-30A	0-20A	0-15A
	Power	300W		150W	300W		150W	300W		150W
Minimum Operation voltage		1.1V@ 30A	0.9V@ 20A	0.8V@ 15A	1.1V@ 30A	0.9V@ 20A	0.8V@ 15A	1.1V@ 30A	0.9V@ 20A	0.8V@ 15A
Constant voltage mode (CV)										
Range		0-150V			0-300V			0-600V		
Resolution		1mV								
Accuracy		0.05%+0.05%FS			0.05%+0.05%FS			0.05%+0.05%FS		
Constant current mode (CC)										
Range		0-30A	0-20A	0-15A	0-30A	0-20A	0-15A	0-30A	0-20A	0-15A
Resolution		1mA			1mA			1mA		
Accuracy		0.05%+0.05%IFS			0.05%+0.05%IFS			0.05%+0.05%IFS		
Constant resistance mode (CR)										
Range		0.05-7.5k Ω			0.05-7.5k Ω			0.05-7.5k Ω		
Accuracy* 1		0.1%+0.01%R			0.1%+0.01%R			0.1%+0.01%R		
Constant power mode (CP)										
Range		300W		150W	300W		150W	300W		150W
Resolution		10mW			10mW			10mW		
Accuracy* 1		0.1%+0.1%FS			0.1%+0.1%FS			0.1%+0.1%FS		
Dynamic mode (CCD)										
T1&T2		0.1ms-50s			0.1ms-50s			0.1ms-50s		
Rise/Fall slope		0.01A/ms-2000A/ms			0.01A/ms-2000A/ms			0.01A/ms-2000A/ms		
Min rise		20us			20us			20us		

time									
Voltage readback value									
Range	0-15V/ 0-150V			0-30V/ 0-300V			0-60V/ 0-600V		
Resolution	1mV			1mV			1mV		
Accuracy	0.05%+0.05%FS			0.05%+0.05%FS			0.05%+0.05%FS		
Current readback value									
Range	0-30A	0-20A	0-15A	0-30A	0-20A	0-15A	0-30A	0-20A	0-15A
Resolution	0.1mA			0.1mA			0.1mA		
Accuracy	0.05%+0.05%FS			0.05%+0.05%FS			0.05%+0.05%FS		
Power readback value									
Range	300W		150W	300W		150W	300W		150W
Resolution	10mW			10mW			10mW		
Accuracy	0.1%+0.1%FS			0.1%+0.1%FS			0.1%+0.1%FS		
Protection function									
OPP	>OPP value 10ms protection			>OPP value 10ms protection			>OPP value 10ms protection		
OVP	>OVP value 0.1ms protection			>OVP value 0.1ms protection			>OVP value 0.1ms protection		
OCP	>OCP value 0.1ms protection			>OCP value 0.1ms protection			>OCP value 0.1ms protection		
OTP	85℃			85℃			85℃		
Short circuit									
Current (CC)	>30A	>20A	>15A	>30A	>20A	>15A	>30A	>20A	>15A
Voltage (CV)	0			0			0		
Resistance (CR)	50m Ω			50m Ω			50m Ω		
Test Function									
Test Function	Battery test, OCP,OPP, Optional, only available for “T”version Ripple test function, Optional, only available for “V”version								
AC parameter									
Voltage range	100V-240Vac								
Frequency range	50/60Hz								
Interface									

RS-232 /RS458	Support RS232, RS485, USB, Supported SCPI		
General			
Heat dissipation	Internal intelligent fan forced air cooling		
Withstand voltage (Input to Ground)	1.5KV/AC/5mA		
Volume (L*W*H)	282.9mm*84.3mm*151.15mm		
Net weight	Approx. 2.5kg	Approx. 2.5kg	Approx. 2.5kg

* 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.



V1.0.1