



Programmable DC Electronic Load

OPL Series

- Six high speed operation modes: CC, CR, CV, CW, CC+CV, CR+CV.
- Over current, over voltage, over power, overheating and polarity reversal protection.
- High-luminance vacuum fluorescent display (VFD) screen with a two-line, four-channel display.
- Battery test and short-circuit test functions.
- Rising edge and falling edge dynamic testing.
- Can edit arbitrary waveforms in list function.
- Available with RS232, RS485, USB serial interfaces.

Model		OPL1511		OPL1821		OPL2041	
Input Rating	Power	150 W		1800 W		200000 W	
	Current	0-30 A		0-240 A		0-1000 A	
	Voltage	0-150 V		0-150 V		0-150 V	
CC Mode	Range	0-3 A	0-30 A	0-24 A	0-240 A	0-100 A	0-1000 A
	Resolution	0.1 mA	1 mA	1 mA	10 mA	1 mA	10 mA
	Accuracy	0.03%+0.05%FS	0.03%+0.05%FS	0.05%+0.05%FS	0.1%+0.05%FS	0.1%+0.1%FS	0.2%+0.5%FS
CV Mode	Range	0.1-19.999 V	0.1-150 V	0.1-19.999 V	0.1-150 V	0.1-19.999 V	0.1-150 V
	Resolution	1 mV	10 mV	1 mV	10 mV	1 mV	10 mV
	Accuracy	0.03%+0.02%FS	0.03%+0.02%FS	0.03%+0.02%FS	0.03%+0.02%FS	0.03%+0.02%FS	0.03%+0.02%FS
CR Mode (Voltage and Current Input Value >=10% Full Measurement)	Range	0.03-10KΩ	0.03-5KΩ	0.03-10K Ω	0.03-5K Ω	0.03 -2K Ω	0.03 -5K Ω
	Resolution	16 bit	16 bit	16 bit	16 bit	16 digits	16 digits
	Accuracy	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.2%+0.25%FS	0.25%+0.25%FS
CW Mode (Voltage and Current Input Value >=10% Full Measurement)	Range	0-150 W	0-150 W	0-1800 W	0-1800 W	0-15000 W	0-200000 W
	Resolution	1 mW	10 mW	1 mW	10 mW	10 mW	100 mW
	Accuracy	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.2%FS	0.2%+0.25%FS
Voltage Measurement	Voltage	0-19.999 V	0-150 V	0-19.999 V	0-150 V	0-19.999 V	0-150 V
	Resolution	1 mV	10 mV	1 mV	10 mV	1 mV	10 mV
	Accuracy	0.015%+0.03%FS	0.015%+0.03%FS	0.015%+0.03%FS	0.015%+0.03%FS	0.015%+0.03%FS	0.015%+0.03%FS
Current Measurement	Current	0-3 A	0-30 A	0-24 A	0-240 A	0-100 A	0-1000 A
	Resolution	0.01 mA	0.1 mA	0.1 mA	1 mA	10 mA	100 mA
	Accuracy	0.03%+0.05%FS	0.03%+0.08%FS	0.03%+0.05%FS	0.1%+0.1%FS	0.1%+0.5%FS	0.5%+0.5%FS
Power Measurement (Voltage and Current Input Value >=10% Full Measurement)	Power	100 W	150 W	100 W	1800 W	100 W	200000 W
	Resolution	1 mW	10 mW	1 mW	10 mW	1 mW	100 mW
	Accuracy	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.2%+0.5%FS	0.2%+0.5%FS
Battery Test	Battery Input: 0.1-150 V; Max. Measurement: Capacity=999 AH; Resolution=0.1 mA; Test Range=1S-16H			Battery Input: 0.5-120 V; Max. Measurement: Capacity=999 AH; Resolution=0.1 mA; Time Range=1S-16H		Battery Input: 0.1-150 V; Max. Measurement: Capacity=999 A; Resolution=1 mA; Time Range=1S-16	
Dynamic Test	Transition List: 0-25 kHz; 2.5 A/uS; T1&T2: 60uS-999S; Accuracy: +15% offset+10%FS			Transition List: 0-25 kHz; 2.5 A/uS; T1&T2: 60uS-999S; Accuracy: +15% offset+10%FS		Transition List: 0-25 kHz; 5 A/uS; T1&T2: 60uS-999S; Accuracy: +15% offset+10%FS	
Current soft-startup Time	1 mS; 2 mS; 5 mS; 10 mS; 20 mS; 50 mS; 100 mS; 200 mS; 500 mS; 1000 mS Accuracy: +15% offset+10%FS			1 mS; 2 mS; 5 mS; 10 mS; 20 mS; 50 mS; 100 mS; 200 mS Accuracy: +15% offset+10%FS		1 mS; 2 mS; 5 mS; 10 mS; 20 mS; 50 mS; 100 mS; 200 mS Accuracy: +15% offset+10%FS	
Short Circuit	Current (CC)	3.3 A	33 A	26.4 A	264 A	110 A	1100 A
	Voltage (CV)	0 V		0 V		0 V	
	Resistance (CR)	55 mΩ		6 mΩ		2.3 mΩ	
Model		OPL1511		OPL1821		OPL2041	
Temperature	Operating	0 ~ 40 °C		0 ~ 40 °C		0 ~ 40 °C	
	Nonoperating	-10 °C ~ 70 °C		-10 °C ~ 70 °C		-10 °C ~ 70 °C	
Dimension	W x H x D (mm)	214 x 108 x 365		207 x 428 x 453.5		2050 x 800 x 600 x 10	
Weight	kg	3.5		31.6		3600	
Smart fan system will automatically activate based on changing ambient temperatures							
Soft-start time setting, activating the power supply in accordance with the set voltage value							
Supporting external trigger on either input or output							
External current waveform monitor terminal output terminal							
Supports remote voltage compensation and multi-data storage							
Power-on-self-test, software calibration and standard rack mountable							

Model	OPL1511	OPL3011	OPL3012	OPL3013	OPL6011	OPL6012	OPL1221	OPL1222	OPL1821	OPL1822	OPL2421	OPL2422
Power	150 W	300 W	300 W	300 W	600 W	600 W	1200 W	1200 W	1800 W	1800 W	2400 W	2400 W
Current	0-30 A	0-30 A	0-60 A	0-30 A	0-120 A	0-30 A	0-240 A	0-60 A	0-240 A	0-120 A	0-240 A	0-120 A
Voltage	0-150 V	0-150 V	0-150 V	0-500 V	0-150 V	0-500 V	0-150 V	0-500 V	0-150 V	0-500 V	0-150 V	0-500 V
Model	OPL3021	OPL3621	OPL3622	OPL3623	OPL6021	OPL6022	OPL6023	OPL6024	OPL6025	OPL1031	OPL1531	OPL1532
Power	3000 W	3600 W	3600 W	3600 W	6000 W	6000 W	6000 W	6000 W	6000 W	10KW	15KW	15KW
Current	0-480 A	0-240 A	0-120 A	0-500 A	0-240 A	0-120 A	0-240 A	0-120 A	0-480 A	0-500 A	0-500 A	0-240 A
Voltage	0-150 V	0-150 V	0-500 V	0-150 V	0-150 V	0-500 V	0-500 V	0-600 V	0-150 V	0-150 V	0-150 V	0-500 V
Model	OPL2031	OPL2032	OPL3531	OPL3532	OPL5031	OPL5032	OPL1041	OPL1042	OPL2041	OPL2042		
Power	20KW	20KW	35KW	35KW	50KW	50KW	100KW	100KW	200KW	200KW		
Current	0-500 A	0-240 A	0-500 A	0-240 A	0-500 A	0-240 A	0-500 A	0-240 A	0-1000 A	0-500 A		
Voltage	0-150 V	0-500 V	0-150 V	0-500 V	0-150 V	0-500 V	0-150 V	0-500 V	0-150 V	0-500 V		