

LSA Series

LCD Display



Except LSA-165V1



- LSA-165** (150V/33A/165W)
- LSA-165V1** (150V/33A/165W, Min. 0V Operating model)
- LSA-330** (150V/66A/330W)
- LSA-1000** (150V/200A/1000W)

- Compact size which is 1/3-rack-size for 165W model and 330W model. Reduce the bulk ratio to 60% of that of the conventional company products.
- Full-color 3.5 inch LCD provides high operability and visibility.
- 10 μ A minimum resolution for current setting (LSA-165 L range).

- CC/CR/CP/CC+CV/CR+CV mode are selectable.
- High-speed response for 10 μ sec. Switching function is available (CC, CR, CP mode).
- External voltage / resistance control function is available.
- Maximum 5-unit-parallel master-slave operation is available.
- Sequence control provides branch on condition.
- Option: GP-IB, USB and RS-232C are in one slot-in option board IF-80GUR. Recommend to use GP-IB or RS-232C if you use LSA series at noisy condition.

Specifications

Input		Model	LSA-165	LSA-330	LSA-1000
Input power	H		0W to 165W	0W to 330W	0W to 1000W
	M		0W to 16.5W	0W to 33W	0W to 100W
	L		0W to 1.65W	0W to 3.3W	0W to 10W
Input voltage V	CR		0V to 150V		
	except CR		1V to 150V		
Input current	Rear input terminal		0A to 33A	0A to 66A	0A to 200A
	Front input terminal				0A to 66A
Input terminal form	Front		Screw terminal		
	Rear		Copper bus bar		

Constant current mode(CC)		Model	LSA-165	LSA-330	LSA-1000
Setting range	H		0A to 33A	0A to 66A	0A to 200A
	M		0A to 3.3A	0A to 6.6A	0A to 20A
	L		0mA to 330mA	0mA to 660mA	0mA to 2000mA
Setting resolution	H		1mA	2mA	6mA
	M		0.1mA	0.2mA	0.6mA
	L		10 μ A	20 μ A	60 μ A
Maximum power	H		165W	330W	1000W
	M		16.5W	33W	100W
	L		1.65W	3.3W	10W
Ripple noise(ms) In the range of 10Hz to 1MHz	H		10mA	15mA	30mA
	M		5mA	5mA	10mA
	L		1mA	1mA	3mA
Stability (long term drift)			±0.1% of fs typ		
Temperature factor			100ppm/°C		

Constant resistance mode(CR)		Model	LSA-165	LSA-330	LSA-1000
Setting resistance	H		OPEN, 1.81k Ω to 30.3m Ω	OPEN, 909 Ω to 15.1m Ω	OPEN, 303 Ω to 5.05m Ω
	M		OPEN, 18.1k Ω to 303m Ω	OPEN, 9.09 Ω to 151m Ω	OPEN, 3.03k Ω to 50.5m Ω
	L		OPEN, 181k Ω to 3.03 Ω	OPEN, 90.9k Ω to 1.51 Ω	OPEN, 30.3k Ω to 505m Ω
Setting resolution	H		0.55mS	1.1mS	3.3mS
	M		55 μ S	0.11mS	0.33mS
	L		5.5 μ S	11 μ S	33 μ S
Ripple noise(ms) In the range of 10Hz to 1MHz	H		10mA	15mA	30mA
	M		5mA	5mA	10mA
	L		1mA	1mA	3mA
Stability (long term drift)			±0.1% of fs typ		
Temperature factor			100ppm/°C		

Constant power mode(CP)		Model	LSA-165	LSA-330	LSA-1000
Setting power	H		0W to 165W	0W to 330W	0W to 1000W
	M		0W to 16.5W	0W to 33W	0W to 100W
	L		0W to 1.65W	0W to 3.3W	0W to 10W
Setting resolution	H		10mW	20mW	100mW
	M		1mW	2mW	10mW
	L		0.1mW	0.2mW	1mW
Ripple noise(ms) In the range of 10Hz to 1MHz	H		10mA	15mA	30mA
	M		5mA	5mA	10mA
	L		1mA	1mA	3mA
Stability (long term drift)			±0.2% of fs typ		
Temperature factor			1000ppm/°C		

Constant voltage(CV+CC/CV+CR) mode		Model	LSA-165	LSA-330	LSA-1000
Setting voltage	H		0.1V to 150V		
	L		0.1V to 15V		
Setting resolution	H		10mV		
	L		1mV		
Minimum current for operating			1% of fs current		
Stability (long term drift)			±0.2% of fs typ		
Input current fluctuation			10mV		
Temperature factor			1000ppm/°C		



"Direct keys" are located on the right side display makes easy to use.

Unique rotary encoder. You can rotate with your finger tip and pen tip, too.

Sequence control function

