



■ Feature:

- Universal AC input / Full range
- · Withstand 300VAC surge input for 5 second
- Small volume and light weight
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Low power dissipation
- Operating altitude up to 5000 meters (Note.6)
- LED indicator for power on
- 100% full load burn-in test
- High efficiency, long life and high reliability

SPECIFICATION

B □ □ ₩ C € @ RoHS LVD

	LRS-200-5	LRS-200-12	LRS-200-15	LRS-200-24	LRS-200-36	LRS-200-48
DC VOLTAGE	5V	12V	15V	24V	36V	48V
CURRENT RANGE	0-40A	0-17A	0-14A	0-8.8A	0-5.9A	0-4.4A
RATED CURRENT	40A	17A	14A	8.8A	5.9A	4.4A
RATED POWER	200W	204W	210W	211.2W	212.4W	211.2W
RIPPLE&NOISE	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p
VOLTAGE ADJ. RANGE	±10%	±10%	±10%	±10%	±10%	±10%
VOLTAGE TOLERANCE	±3%	±2%	±1%	±1%	±1%	±1%
LINE REGULATION	$\pm 0.5\%$	\pm 0.5%	±0.5%	±0.5%	±0.5%	±0.5%
LOAD REGULATION	±2%	±1%	±0.5%	±0.5%	±0.5%	±0.5%
SETUP, RISE TIME	800ms,50ms,16ms/230VAC (Full load)					
VOLTAGE RANGE	E 90-132VAC/180-264VAC Select by switch 240-370VDC (Withstand 300VAC surge input for 5 second)					
FREQUENCY RANGE						
EFFICIENCY(Typ)	85%	87%	88%	89%	89%	90%
AC CURRENT	4.0A/115V,2.2A/230VAC					
INRUSH CURRENT (Typ)	COLD START 55A/230VAC					
LEAKAGE CURRENT	<2mA/240VAC					
OVER LOAD	110%-140%rated output power					
	Protection type: Hiccup mode recovers automatically after fault condition is removed					
PROTECTION OVER VOLTAGE	115%-135%rated output power					
	Protection type: Shut down o/p voltage, re-power on to recover					
OVER TEMPERATURE	110°C ± 10°C (RTH3 test next to transformer)					
	Protection type: Shut down o/p voltage, recovers automatically after normal temperature					
WORKING TEMP	-25°C~+70°C (Refer to "Derating Curve")					
WORKING HUMIDITY	20%~90%RH non-condensing					
STORAGE TEMP. HUMIDITY	-40°C~ +85°C;10%~95%RH non−condensing					
VIBRATION	10~500Hz,3G 10min./1 cycle, 60min. each along X, Y, Z axes					
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC					
ISOLATION RESISTANCE	I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70%RH					
SAFETY STANDARDS Compliance to UL60950-1,TUV EN60950-1,GB4943						
EMC EMISSION	Compliance to EN55022(CISPR22)Class B,GB9254 Class B,EN55014,EN61000-3-2,3					
EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11,EN55024,EN61000-6-2					
DIMENSION	215*115*30mm (L*W*H)					
PACKING	0.66kg/00pcs/	/00kg/0000CBM				
2.Ripple & noise are measured as a second se	asured at 20MHz t up tolerance, line sured from low line sured from 0% to are derating of 5 / nsidered a compo	of bandwidth by u le regulation and l e to high line at rat 100% rated load. 1000m is needed fonent which will be	sing a 12" twisted oad regulation. ed load. or operating altitude installed into a fin	pair-wire terminate de greater than 200	ted with a 0.1uf pa	
	CURRENT RANGE RATED CURRENT RATED POWER RIPPLE&NOISE VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE LINE REGULATION LOAD REGULATION SETUP, RISE TIME VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY(Typ) AC CURRENT INRUSH CURRENT (Typ) LEAKAGE CURRENT OVER LOAD OVER VOLTAGE OVER TEMPERATURE WORKING TEMP WORKING HUMIDITY STORAGE TEMP. HUMIDITY VIBRATION WITHSTAND VOLTAGE ISOLATION RESISTANCE SAFETY STANDARDS EMC EMISSION EMC IMMUNITY DIMENSION PACKING 1. All parameters NOT sp 2. Ripple & noise are meas 3. Tolerance: includes se 4. Line regulation is meas 5. Load regulation is meas 6. The ambient temperature. 7. The power supply is co	CURRENT RANGE CURRENT RANGE CURRENT RATED CURRENT RATED POWER RIPPL&NOISE VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE LINE REGULATION LOAD REGULATION SETUP, RISE TIME VOLTAGE RANGE FREQUENCY RANGE FREQUENCY RANGE FREQUENCY RANGE FREQUENCY (Typ) AC CURRENT INRUSH CURRENT (Typ) COLD START LEAKAGE CURRENT OVER LOAD OVER VOLTAGE OVER TEMPERATURE WORKING TEMP WORKING TEMP WORKING HUMIDITY VIBRATION VOLTAGE WORKING HUMIDITY VIBRATION VIBRATION TOWNOWN TOWN TOWN TOWN TOWN TOWN TOWN TO	DC VOLTAGE CURRENT RANGE 0-40A 0-17A RATED CURRENT 40A 17A RATED POWER 200W 204W RIPPLEMOISE 150mVp-p 150mVp-p VOLTAGE ADJ. RANGE ±10% VOLTAGE TOLERANCE ±3% ±2% LINE REGULATION ±0.5% ±0.5% LOAD REGULATION ±2% ±1% SETUP, RISE TIME 800ms,50ms,16ms/230VAC VOLTAGE RANGE FREQUENCY RANGE 47-63Hz EFFICIENCY(Typ) 85% 87% AC CURRENT 4.0A/115V,2.2A/230VAC INRUSH CURRENT (Typ) COLD START 55A/230VAC INRUSH CURRENT VOVER LOAD OVER LOAD OVER VOLTAGE OVER TEMPERATURE WORKING TEMP OVER TEMPERATURE WORKING HUMIDITY 110°C ±10°C RTH3 test nex Protection type: Shut down o/p WORKING HUMIDITY 20%~90%RH non-condensin STORAGE TEMP. HUMIDITY 40°C~ +85°C;10%~95%RH non-condensin STORAGE TEMP. HUMIDITY VIBRATION 10~500Hz,3G 10min./1 cycle, WITHSTAND VOLTAGE I/P-O/P,I/P-FG,O/P-FG:10C SAFETY STANDARDS Compliance to UL60950-1,TUV EMC EMISSION Compliance to EN55022 (CISP EMC IMMUNITY Compliance to EN61000-4-2,3 DIMENSION 215*115*30mm (L*W*H) PACKING 1.All parameters NOT specially mentioned are measured at 2.Ripple & noise are measured at 20MHz of bandwidth by u 3.Tolerance: includes set up tolerance, line regulation and I 4. Line regulation is measured from low line to high line at rat 5. Load regulation is measured from low line to high line at rat 5. Load regulation is measured from 0% to 100% rated load. 6. The ambient temperature derating of 5/1000m is needed f 7. The power supply is considered a component which will be	DC VOLTAGE 5V 12V 15V CURRENT RANGE 0−40A 0−17A 0−14A RATED CURRENT 40A 17A 14A RATED POWER 200W 204W 210W RIPPLE®NOISE 150mVp-p 150mVp-p 150mVp-p VOLTAGE ADJ. RANGE ±10% ±10% ±10% VOLTAGE TOLERANCE ±3% ±2% ±1% LINE REGULATION ±0.5% ±0.5% ±0.5% LOAD REGULATION ±2% ±1% ±0.5% LOAD REGULATION ±2% ±1% ±0.5% SETUP, RISE TIME 800ms,50ms,16ms/230VAC (Full load) VOLTAGE RANGE 90−132VAC/180-264VAC Select by switch 240−37 FREQUENCY RANGE 47−63Hz 87% 88% AC CURRENT 4.0A/115V,2.2A/230VAC LEAKAGE CURRENT COLD START 55A/230VAC LEAKAGE CURRENT C2mA/240VAC OVER LOAD 110%-140% rated output power Protection type: Shut down o/p voltage, re-power Protection type: Shut down o/p voltage, re-power WORKING TEMP <td< td=""><td>DC VOLTAGE 5V 12V 15V 24V CURRENT RANGE 0-40A 0-17A 0-14A 0-8.8A RATED CURRENT 40A 17A 14A 8.8A RATED POWER 200W 204W 210W 211.2W RIPPLEKNOISE 150mVp-p 150mVp-p 150mVp-p 150mVp-p VOLTAGE ADJ. RANGE ±10% ±10% ±10% ±10% ±10% VOLTAGE TOLERANCE ±3% ±2% ±1% ±1% ±1% LINE REGULATION ±0.5%</td><td>DC VOLTAGE 5V 12V 15V 24V 36V CURRENT RANGE 0-40A 0-17A 0-14A 0-8.8A 0-5.9A RATED CURRENT 40A 17A 14A 8.8A 5.9A RATED POWER 200W 204W 210W 211.2W 212.4W RATED POWER 200W 204W 210W 211.2W 212.4W RIPPLE&NOISE 150mVp-p 150mVp-p 150mVp-p 150mVp-p 200mVp-p VOLTAGE ADJ. RANGE ±10% ±10% ±10% ±10% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±0.5% ±</td></td<>	DC VOLTAGE 5V 12V 15V 24V CURRENT RANGE 0-40A 0-17A 0-14A 0-8.8A RATED CURRENT 40A 17A 14A 8.8A RATED POWER 200W 204W 210W 211.2W RIPPLEKNOISE 150mVp-p 150mVp-p 150mVp-p 150mVp-p VOLTAGE ADJ. RANGE ±10% ±10% ±10% ±10% ±10% VOLTAGE TOLERANCE ±3% ±2% ±1% ±1% ±1% LINE REGULATION ±0.5%	DC VOLTAGE 5V 12V 15V 24V 36V CURRENT RANGE 0-40A 0-17A 0-14A 0-8.8A 0-5.9A RATED CURRENT 40A 17A 14A 8.8A 5.9A RATED POWER 200W 204W 210W 211.2W 212.4W RATED POWER 200W 204W 210W 211.2W 212.4W RIPPLE&NOISE 150mVp-p 150mVp-p 150mVp-p 150mVp-p 200mVp-p VOLTAGE ADJ. RANGE ±10% ±10% ±10% ±10% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±0.5% ±



