



LRS-100

LRS-75

LRS-35/50

### ■ Features

- No load power consumption <0.2W for 35W/50W; <0.3W for 75W/100W
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- **Ultra compact and 1U low profile**
- Withstand 5G vibration test
- High operating temperature up to 70°C
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- **Compliance to IEC/EN60335-1(PD3) and IEC/EN61558-1,-2-16 for household appliances**
- Operating altitude up to 5000 meters
- High efficiency, long life and high reliability
- LED indicator for power on
- Low cost
- 3 years warranty

### ■ General Specification



Model No.	LRS-35	LRS-50	LRS-75	LRS-100
AC input voltage range	85~264VAC ; 120~370VDC			
AC inrush current (max.)	Cold start, 45A at 230VAC		65A at 230VAC	50A at 230VAC
DC adjustment range	±10% by potentiometer			
Overload protection	Range	110%~150%		
	Type	Hiccup mode, auto-recovery		
Over voltage protection	Range	115%~135% rated output voltage		
	Type	Shut down o/p voltage, re-power on to recover		
Withstand voltage	I/P-O/P: 4kVAC, I/P-FG: 2kVAC, O/P-FG: 1.25kVAC, 1 minute			
Working temperature	-30~+70°C (refer to output derating curve)			
Safety standards	UL62368-1, BS EN/EN62368-1, BS EN/EN61558-1, EN61558-2-16, BS EN/EN60335-1, CCC GB4943, BIS IS13252, BSMI CNS14336-1, EAC TP TC 004, AS/NZS 60950.1 KC K60950-1(12/24V only)approved			
EMC standards	BS EN/EN55032 class B, EN55014, EN61000-3-2, 3, EN61000-4,2,3,4,5,6,8,11 ; GB9254 ; CNS13438			
Connection	5P/9.5mm pitch terminal block			7P/9.5mm pitch terminal block
Dimension (LxWxH) (mm)	99x 82x 30		99x 97x 30	129x 97x 30

### ■ 35W

### LRS-35

Model No.	Output	Tol.	R&N	Effi.
LRS-35-5	5V, 0~7A	±2%	80mV	82.0%
LRS-35-12	12V, 0~3A	±1%	120mV	86.0%
LRS-35-15	15V, 0~2.4A	±1%	120mV	86.0%
LRS-35-24	24V, 0~1.5A	±1%	150mV	88.0%
LRS-35-36	36V, 0~1A	±1%	200mV	88.0%
LRS-35-48	48V, 0~0.8A	±1%	200mV	89.0%

### ■ 75W

### LRS-75

Model No.	Output	Tol.	R&N	Effi.
LRS-75-5	5V, 0~14A	±2%	100mV	86.5%
LRS-75-12	12V, 0~6A	±1%	120mV	89.0%
LRS-75-15	15V, 0~5A	±1%	120mV	89.0%
LRS-75-24	24V, 0~3.2A	±1%	150mV	90.0%
LRS-75-36	36V, 0~2.1A	±1%	200mV	91.5%
LRS-75-48	48V, 0~1.6A	±1%	200mV	91.5%

### ■ 50W

### LRS-50

Model No.	Output	Tol.	R&N	Effi.
LRS-50-3.3	3.3V, 0~10A	±3%	80mV	80.0%
LRS-50-5	5V, 0~10A	±2%	80mV	83.0%
LRS-50-12	12V, 0~4.2A	±1%	120mV	86.0%
LRS-50-15	15V, 0~3.4A	±1%	120mV	88.0%
LRS-50-24	24V, 0~2.2A	±1%	150mV	88.0%
LRS-50-36	36V, 0~1.45A	±1%	200mV	89.0%
LRS-50-48	48V, 0~1.1A	±1%	200mV	90.0%

### ■ 100W

### LRS-100

Model No.	Output	Tol.	R&N	Effi.
LRS-100-3.3	3.3V, 0~20A	±3%	100mV	84.5%
LRS-100-5	5V, 0~18A	±2%	100mV	86.0%
LRS-100-12	12V, 0~8.5A	±1%	120mV	88.0%
LRS-100-15	15V, 0~7A	±1%	120mV	88.5%
LRS-100-24	24V, 0~4.5A	±1%	150mV	90.0%
LRS-100-36	36V, 0~2.8A	±1%	200mV	90.5%
LRS-100-48	48V, 0~2.3A	±1%	200mV	91.0%

# Enclosed-LRS Series 150~350W Low Profile



## ■ Features

- No load power consumption <0.5W for 150W; <0.75W for 200W/350W
- AC input selectable by switch (LRS-150F Universal AC input / Full range)
- Withstand 300VAC surge input for 5 seconds
- Ultra compact and 1U low profile
- Withstand 5G vibration test
- High operating temperature up to 70°C
- Protections: Short circuit / Overload / Over voltage / Over temp.
- Cooling by free air convection (150W/200W); forced air cooling by built-in DC fan (350W)
- Compliance to IEC/EN60335-1(PD3) and IEC/EN61558-1,-2-16 for household appliances (150W)
- Operating altitude up to 5000 meters
- LED indicator for power on
- High efficiency, long life and high reliability
- Low cost
- 3 years warranty

## ■ General Specification (Please refer to [www.meanwell.com](http://www.meanwell.com) for detail spec.)

Model No.	LRS-150F	LRS-150	LRS-200	LRS-350
AC input voltage range	85~264VAC; 120~370VDC	115 / 230VAC by switch		
AC inrush current (max.)	Cold start, 60A at 230VAC			
DC adjustment range	±10% by potentiometer			
Overload protection	Range	110%~140%		
	Type	Hiccup mode, auto-recovery		
Over voltage protection	Range	115%~145% rated output voltage		
	Type	Shut down o/p voltage, re-power on to recover		
Withstand voltage	I/P-O/P: 4kVAC, I/P-FG: 2kVAC, O/P-FG: 1.25kVAC		I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC	
Working temperature	-30~+70°C (refer to output derating curve)		-25~+70°C (refer to output derating curve)	
Safety standards	UL62368-1, BS EN/EN62368-1, BS EN/EN61558-1, EN61558-2-16, BS EN/EN60335-1, CCC GB4943, BSMI CNS14336-1, EAC TP TC 004, AS/NZS60950.1 BIS IS13252(LRS-150), KC K60950-1(LRS-150-12 only) approved		UL62368-1, BSMI CNS14336-1, EAC TP TC 004, BIS IS13252, KC K60950-1(12/24V only) approved	
EMC standards	BS EN/ EN55032 class B, EN55014, EN61000-3-2(120W), 3, EN61000-4, 2, 3, 4, 5, 6, 8, 11, GB/T 9254, EAC TP TC 020, BSMI CNS13438		EAC TP TC 020, BSMI CNS13438, Design refer to EN55032 class A	
Connection	7P/9.5mm pitch terminal block		9P/9.5mm pitch terminal block	
Dimension (LxWxH) (mm)	159x 97x 30		215x 115x 30	

## ■ LRS-150 Series

Model No.	Output	Tol.	R&N	Effi.
LRS-150-12	12V, 0~12.5A	±1%	150mV	87.5%
LRS-150-15	15V, 0~10A	±1%	150mV	88.5%
LRS-150-24	24V, 0~6.5A	±1%	200mV	89.0%
LRS-150-36	36V, 0~4.3A	±1%	200mV	89.0%
LRS-150-48	48V, 0~3.3A	±1%	200mV	90.0%

## ■ LRS-200 Series

Model No.	Output	Tol.	R&N	Effi.
LRS-200-3.3	3.3V, 0~40A	±3%	150mV	83.0%
LRS-200-4.2	4.2V, 0~40A	±4%	150mV	86.0%
LRS-200-5	5V, 0~40A	±3%	150mV	87.0%
LRS-200-12	12V, 0~17A	±1.5%	150mV	87.5%
LRS-200-15	15V, 0~14A	±1%	150mV	88.0%
LRS-200-24	24V, 0~8.8A	±1%	150mV	89.5%
LRS-200-36	36V, 0~5.9A	±1%	200mV	89.5%
LRS-200-48	48V, 0~4.4A	±1%	200mV	90.0%

## ■ LRS-150F Series

Model No.	Output	Tol.	R&N	Effi.
LRS-150F-5	5V, 0~22A	±2%	100mV	85.0%
LRS-150F-12	12V, 0~12.5A	±1%	150mV	87.5%
LRS-150F-15	15V, 0~10A	±1%	150mV	89.0%
LRS-150F-24	24V, 0~6.5A	±1%	200mV	89.0%
LRS-150F-36	36V, 0~4.3A	±1%	200mV	89.0%
LRS-150F-48	48V, 0~3.3A	±1%	200mV	90.0%

## ■ LRS-350 Series

Model No.	Output	Tol.	R&N	Effi.
LRS-350-3.3	3.3V, 0~60A	±4%	150mV	79.5%
LRS-350-4.2	4.2V, 0~60A	±4%	150mV	81.5%
LRS-350-5	5V, 0~60A	±3%	150mV	83.5%
LRS-350-12	12V, 0~29A	±1.5%	150mV	85.0%
LRS-350-15	15V, 0~23.2A	±1%	150mV	86.0%
LRS-350-24	24V, 0~14.6A	±1%	150mV	88.0%
LRS-350-36	36V, 0~9.7A	±1%	200mV	88.5%
LRS-350-48	48V, 0~7.3A	±1%	200mV	89.0%