



POWER SUPPLIES | 3.3 - 48V 33 - 158W

Transmotec sell a broad range of powersupplies in standard and optinally customized configurations. Transmotec is the ideal supplier source especially to instrument and apparatus builders. We keep a high number of items in stock for immediate delivery.













TRANSMOTEC

















Features

- · Universal AC input / Full range
- · Withstand 300VAC surge input for 5 second
- No load power consumption<0.2W
- · Miniature size and 1U low profile
- High operating temperature up to 70°C
- Protections: Short circuit / Overload / Over voltage
- · Cooling by free air convection
- · Compliance to IEC/EN 60335-1(PD3) and IEC/EN61558-1, -2-16 for household appliances
- Operating altitude up to 5000 meters (Note.8)
- · Withstand 5G vibration test
- · High efficiency, long life and high reliability
- · LED indicator for power on
- · Over voltage category III
- · 100% full load burn-in test
- 3 years warranty





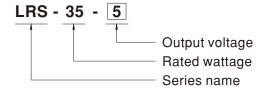




Applications

- · Industrial automation machinery
- Industrial control system
- · Mechanical and electrical equipment
- · Electronic instruments, equipments or apparatus
- Household appliances

■ Model Encoding







LRS-35 series

SPECIFICATION

MODEL		LRS-35-5	LRS-35-12	LRS-35-15	LRS-35-24	LRS-35-36	LRS-35-48			
	DC VOLTAGE	5V	12V	15V	24V	36V	48V			
	RATED CURRENT	7A	3A	2.4A	1.5A	1A	0.8A			
	CURRENT RANGE	0 ~ 7A	0 ~ 3A	0 ~ 2.4A	0 ~ 1.5A	0 ~ 1A	0 ~ 0.8A			
	RATED POWER	35W	36W	36W	36W	36W	38.4W			
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	120mVp-p	150mVp-p	200mVp-p	200mVp-p			
OUTPUT	VOLTAGE ADJ. RANGE	4.5 ~ 5.5V	10.2 ~ 13.8V	13.5 ~ 18V	21.6 ~ 28.8V	32.4 ~ 39.6V	43.2 ~ 52.8V			
	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%			
	LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%			
	LOAD REGULATION Note.5	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%			
	SETUP, RISE TIME	1000ms, 30ms/230	0VAC 2000ms,	30ms/115VAC at fu	ıll load					
	HOLD UP TIME (Typ.)	30ms/230VAC 12ms/115VAC at full load								
	VOLTAGE RANGE	85 ~ 264VAC	120 ~ 373VDC							
	FREQUENCY RANGE	47 ~ 63Hz								
MDUT	EFFICIENCY (Typ.)	82%	86%	86%	88%	88%	89%			
NPUT	AC CURRENT (Typ.)	0.7A/115VAC 0.42A/230VAC								
	INRUSH CURRENT (Typ.)	COLD START 45A/230VAC								
	LEAKAGE CURRENT <0.75mA / 240VAC									
	0/501040	110 ~ 150% rated output power								
	OVER LOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed								
PROTECTION		5.75 ~ 6.9V	13.8 ~ 16.2V	18.75 ~ 21.75V	28.8 ~ 33.6V	41.4 ~ 48.6V	55.2 ~ 64.8V			
	OVER VOLTAGE	Protection type : Shut down o/p voltage, re-power on to recover								
	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85 °C , 10 ~ 95% RH non-condensing								
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)								
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes								
	OVER VOLTAGE CATEGORY	III; According to E	N61558, EN50178,	, EN60664-1, EN62	477-1; altitude up t	o 2000 meters				
	SAFETY STANDARDS	UL62368-1, TUV EN62368-1, EN60335-1, EN61558-1/-2-16, CCC GB4943.1, BSMI CNS14336-1, EAC TP TC 004, AS/NZS 60950.1(by CB) approved								
	WITHSTAND VOLTAGE	I/P-O/P:4KVAC	I/P-FG:2KVAC O	/P-FG:1.25KVAC						
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O	/P-FG:100M Ohms	/ 500VDC / 25°C/7	0% RH					
(Note 9)	EMC EMISSION	Compliance to EN5	55032 (CISPR32) Cla	ass B, EN55014, EN	61000-3-2,-3, GB/T	9254, BSMI CNS13	3438, EAC TP TC 02			
	EMC IMMUNITY	Compliance to EN	61000-4-2,3,4,5,6,8	,11, EN61000-6-2 (E	N50082-2), heavy	industry level, crite	ria A, EAC TP TC 02			
	MTBF	763.6K hrs min.	MIL-HDBK-217F (25°℃)						
OTHERS	DIMENSION	99*82*30mm (L*W	/*H)							
OTTILING		0.23Kg ; 60pcs/14.8Kg/0.88CUFT								

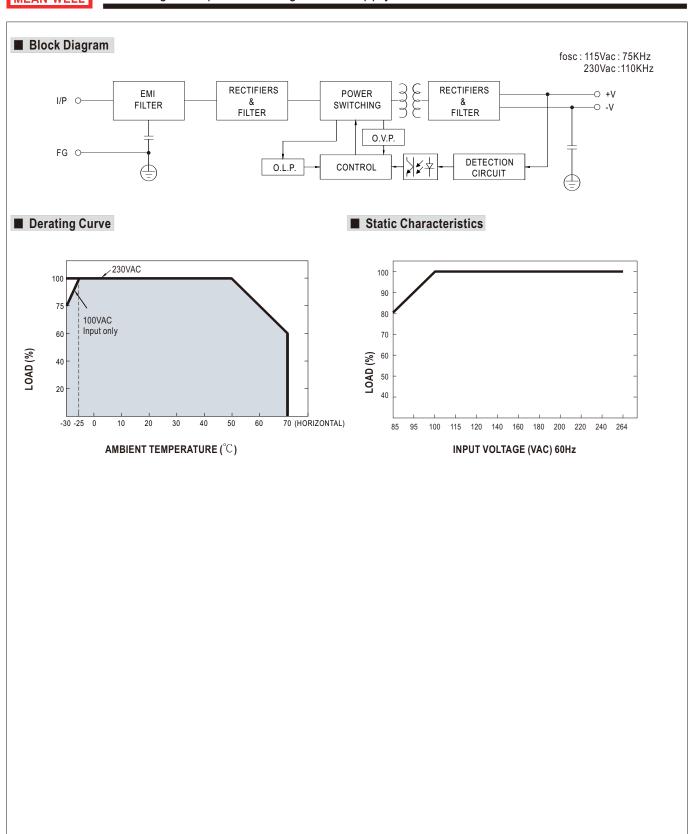
NOTE

- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 $^{\circ}\text{C}$ of ambient temperature.
- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
- 3. Tolerance: includes set up tolerance, line regulation and load regulation.
- 4. Line regulation is measured from low line to high line at rated load.
- 5. Load regulation is measured from 0% to 100% rated load.
- 6. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.
- 7. 5V when the load factor 0~50%, the switching power less is reduced by burst operation, which will cause ripple and ripple noise to go beyond the specifications.
- 8. The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m(6500ft).
- 9. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)





LRS-35 series



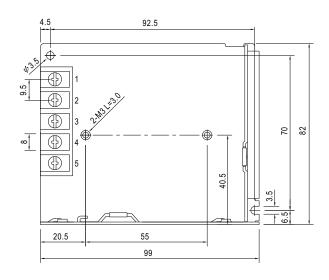


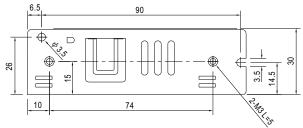


LRS-35 series

Case No.239A Unit:mm

■ Mechanical Specification





Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	FG ±		

■ Installation Manual

Please refer to : http://www.meanwell.com/manual.html





























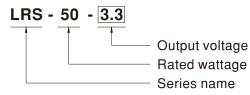
Features

- · Universal AC input / Full range
- · Withstand 300VAC surge input for 5 second
- No load power consumption<0.2W
- · Miniature size and 1U low profile
- High operating temperature up to 70°C
- Protections: Short circuit / Overload / Over voltage
- · Cooling by free air convection
- Compliance to IEC/EN 60335-1(PD3) and IEC/EN61558-1, -2-16 for household appliances
- Operating altitude up to 5000 meters (Note.8)
- · Withstand 5G vibration test
- · High efficiency, long life and high reliability
- LED indicator for power on
- · Over voltage category III
- · 100% full load burn-in test
- 3 years warranty

Applications

- · Industrial automation machinery
- Industrial control system
- · Mechanical and electrical equipment
- Electronic instruments, equipments or apparatus
- · Household appliances

■ Model Encoding









LRS-50 series

SDECIEICATION

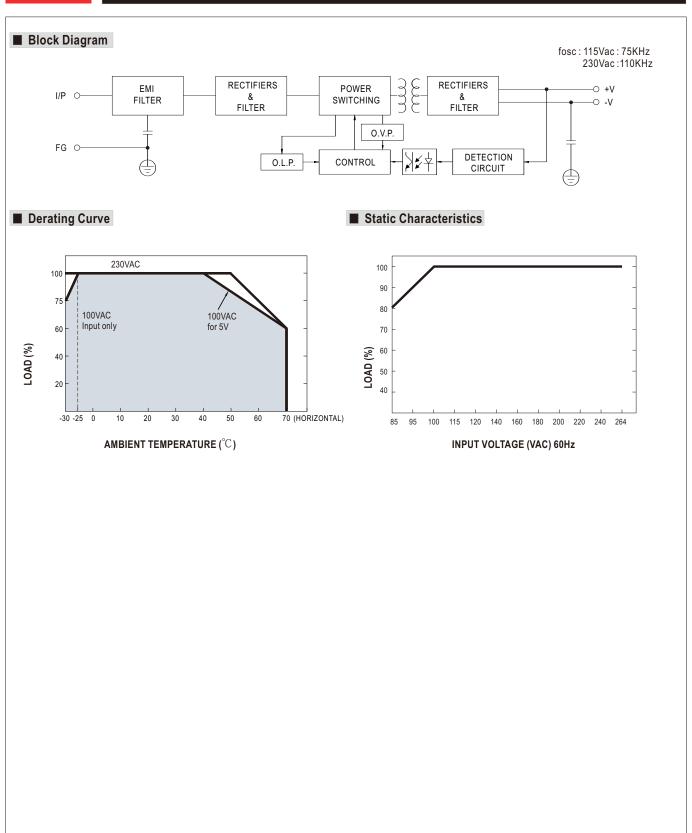
MODEL		LRS-50-3.3	LRS-50-5	LRS-50-12	LRS-50-15	LRS-50-24	LRS-50-36	LRS-50-48		
	DC VOLTAGE	3.3V	5V	12V	15V	24V	36V	48V		
	RATED CURRENT	10A	10A	4.2A	3.4A	2.2A	1.45A	1.1A		
	CURRENT RANGE	0 ~ 10A	0 ~ 10A	0 ~ 4.2A	0 ~ 3.4A	0 ~ 2.2A	0 ~ 1.45A	0 ~ 1.1A		
	RATED POWER	33W	50W	50.4W	51W	52.8W	52.2W	52.8W		
	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	120mVp-p	120mVp-p	150mVp-p	200mVp-p	200mVp-p		
OUTPUT	VOLTAGE ADJ. RANGE	2.97 ~ 3.6V	4.5 ~ 5.5V	10.2 ~ 13.8V	13.5 ~ 18V	21.6 ~ 28.8V	32.4 ~ 39.6V	43.2 ~ 52.8V		
	VOLTAGE TOLERANCE Note.3	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%		
	LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
	LOAD REGULATION Note.5	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
	SETUP, RISE TIME	1000ms, 30ms/	230VAC 200)0ms,30ms/115V	AC at full load					
	HOLD UP TIME (Typ.)	30ms/230VAC	12ms/115VAC	at full load						
	VOLTAGE RANGE	85 ~ 264VAC	120 ~ 373VD	C						
	FREQUENCY RANGE	47 ~ 63Hz								
	EFFICIENCY (Typ.)	80%	83%	86%	88%	88%	89%	90%		
INPUT	AC CURRENT (Typ.)	0.95A/115VAC	0.56A/230\	/AC						
	INRUSH CURRENT (Typ.)	COLD START 45A/230VAC								
	LEAKAGE CURRENT <0.75mA/240VAC									
		110 ~ 150% rated output power								
	OVER LOAD	Protection type	: Hiccup mode, r	ecovers automa	tically after fault	condition is remo	ved			
PROTECTION		3.8 ~ 4.45V	5.9~ 7.3V	13.8 ~ 16.2V	18.75 ~ 21.75\	/ 28.8 ~ 33.6V	41.4 ~ 48.6V	55.2 ~ 64.8V		
	OVER VOLTAGE	Protection type : Shut down o/p voltage, re-power on to recover								
	WORKING TEMP.	-30 ~ +70°C (R	efer to "Derating	Curve")						
	WORKING HUMIDITY	20 ~ 90% RH n	on-condensing							
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10) ~ 95% RH non-	condensing						
ENVIRONMENT	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)								
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes								
	OVER VOLTAGE CATEGORY	III; Compliance	e to EN61558, EN	N50178, EN6066	4-1, EN62477-1	; altitude up to 20	000 meters			
	SAFETY STANDARDS		JV EN62368-1, E 4, AS/NZS 6095			CCC GB4943.1,	BSMI CNS1433	6-1,		
SAFFTV &	WITHSTAND VOLTAGE	I/P-O/P:4KVAC I/P-FG:2KVAC O/P-FG:1.25KVAC								
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG	, O/P-FG:100M (Dhms / 500VDC /	25°C/70% RH					
/No++ 0\	EMC EMISSION	Compliance to E	N55032 (CISPR	32) Class B, EN5	5014, EN61000-3	3-2,-3, GB/T 9254	, BSMI CNS13438	B, EAC TP TC 02		
	EMC IMMUNITY	Compliance to I	EN61000-4-2,3,4	,5,6,8,11, EN610	00-6-2 (EN50082	2-2), heavy indust	ry level, criteria A	, EAC TP TC 02		
	MTBF	645K hrs min.	MIL-HDBK-21			•				
-	DIMENSION	99*82*30mm (L		,						
ŀ	PACKING	,	14.8Kg/0.88CUF	Т						
NOTE	All parameters NOT specific and specific and specific are measured. Ripple & noise are measured.									

- 3. Tolerance: includes set up tolerance, line regulation and load regulation.
- 4. Line regulation is measured from low line to high line at rated load.
- 5. Load regulation is measured from 0% to 100% rated load.
- 6. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up
- 7. 3.3V,5V when the load factor 0~50%, the switching power less is reduced by burst operation, which will cause ripple and ripple noise to go beyond the specifications.
- 8. The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m(6500ft).
- 9. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)





LRS-50 series



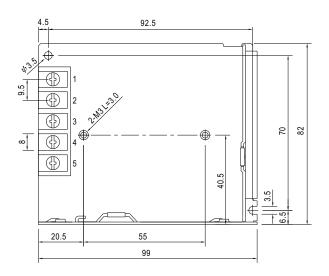


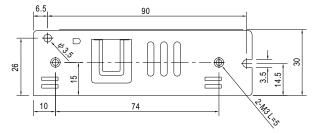


LRS-50 series

Case No.239A Unit:mm

■ Mechanical Specification





Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	FG ±		

■ Installation Manual

 $Please\ refer\ to: http://www.meanwell.com/manual.html$















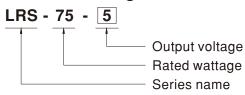






- · Universal AC input / Full range
- · Withstand 300VAC surge input for 5 second
- No load power consumption<0.3W
- · Miniature size and 1U low profile
- High operating temperature up to 70°C
- · Protections: Short circuit / Overload / Over voltage
- · Cooling by free air convection
- · Compliance to IEC/EN 60335-1(PD3) and IEC/EN61558-1, -2-16 for household appliances
- Operating altitude up to 5000 meters (Note.7)
- Withstand 5G vibration test
- · High efficiency, long life and high reliability
- · LED indicator for power on
- Over voltage category III
- · 100% full load burn-in test
- 3 years warranty

■ Model Encoding















Applications

- · Industrial automation machinery
- Industrial control system
- · Mechanical and electrical equipment
- · Electronic instruments, equipments or apparatus
- Household appliances





LRS-75 series

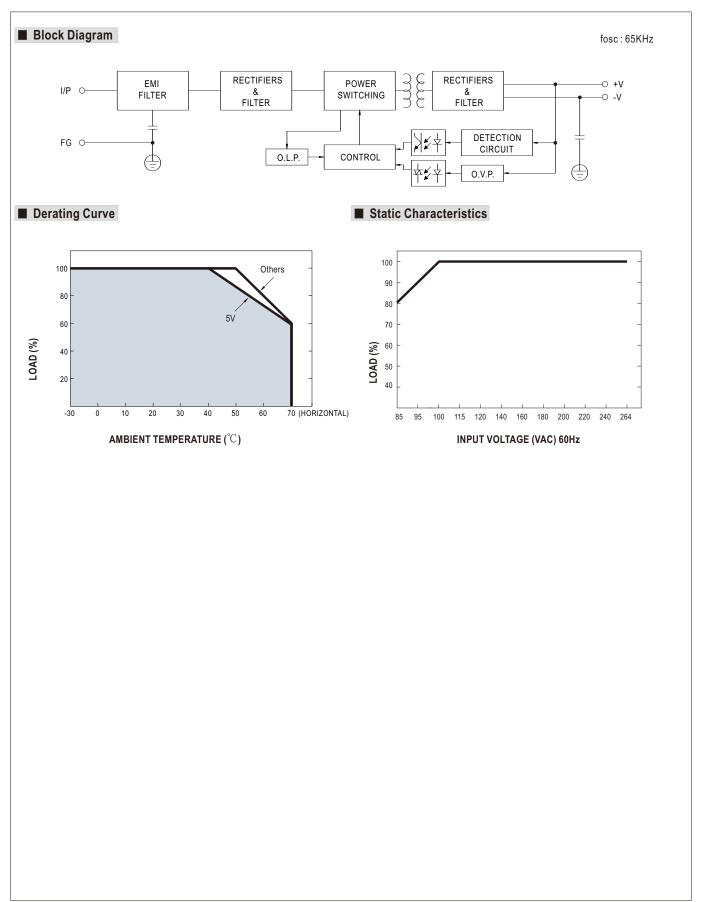
SPECIFICATION

MODEL		LRS-75-5	LRS-75-12	LRS-75-15	LRS-75-24	LRS-75-36	LRS-75-48		
	DC VOLTAGE	5V	12V	15V	24V	36V	48V		
	RATED CURRENT	14A	6A	5A	3.2A	2.1A	1.6A		
	CURRENT RANGE	0 ~ 14A	0 ~ 6A	0 ~ 5A	0 ~ 3.2A	0 ~ 2.1A	0 ~ 1.6A		
	RATED POWER	70W	72W	75W	76.8W	75.6W	76.8W		
	RIPPLE & NOISE (max.) Note.2	100mVp-p	120mVp-p	120mVp-p	150mVp-p	200mVp-p	200mVp-p		
OUTPUT	VOLTAGE ADJ. RANGE	4.5 ~ 5.5V	10.2 ~ 13.8V	13.5 ~ 18V	21.6 ~ 28.8V	32.4 ~ 39.6V	43.2 ~ 52.8V		
	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%		
	LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
	LOAD REGULATION Note.5	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
	SETUP, RISE TIME	500ms, 30ms/230\	/AC 500ms,30	ms/115VAC at full I	oad				
	HOLD UP TIME (Typ.)		12ms/115VAC at ful						
	VOLTAGE RANGE	85 ~ 264VAC	120 ~ 373VDC						
	FREQUENCY RANGE	47 ~ 63Hz							
	EFFICIENCY (Typ.)	86.5%	89%	89%	90%	91.5%	91.5%		
INPUT	AC CURRENT (Typ.)	1.4A/115VAC	0.85A/230VAC	1	1 00 /0		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	INRUSH CURRENT (Typ.)	COLD START 65A							
	LEAKAGE CURRENT	<0.75mA / 240VAC							
		110 ~ 150% rated							
	OVER LOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed							
PROTECTION		5.75 ~ 6.75V	13.8 ~ 16.2V	18.75 ~ 21.75V	28.8 ~ 33.6V	41.4 ~ 48.6V	55.2 ~ 64.8V		
	OVER VOLTAGE			e, re-power on to re		41.4 40.00	00.2 04.00		
	WORKING TEMP.	* * * * * * * * * * * * * * * * * * * *		•					
	WORKING HUMIDITY	-30 ~ +70°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY		95% RH non-conde	ensina					
ENVIRONMENT	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 5							
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes							
	OVER VOLTAGE CATEGORY			8,EN60664-1, EN6		to 2000 motors			
	SAFETY STANDARDS	UL62368-1, TUV	•	335-1, EN61558-1			1336-1,		
SAFETY &	WITHSTAND VOLTAGE		I/P-FG:2KVAC O	, ,					
EMC	ISOLATION RESISTANCE	I/P-O/P. I/P-FG. O	/P-FG:100M Ohms/	500VDC / 25°C/ 70	% RH				
(Note 8)	EMC EMISSION			ass B, EN55014, EN		9254, BSMI CNS134	438, EAC TP TC 02		
	EMC IMMUNITY	Compliance to EN6	51000-4-2,3,4,5,6,8,	11, EN61000-6-2 (E	N50082-2), heavy i	ndustry level, criteri	a A, EAC TP TC 02		
	MTBF	681.2K hrs min.	MIL-HDBK-217F (
OTHERS	DIMENSION	99*97*30mm (L*W	,	,					
	PACKING	,							
NOTE	 Ripple & noise are mea Tolerance : includes se Line regulation is meas Load regulation is meas Length of set up time is time. The ambient temperatu The power supply is co mounting the unit on a 	cially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor up tolerance, line regulation and load regulation. red from low line to high line at rated load. ured from 0% to 100% rated load. measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up e derating of 5°C/1000m is needed for operating altitude greater than 2000m(6500ft). sidered a component which will be installed into a final equipment. All the EMC tests are been executed by 60mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets ance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."							





LRS-75 series





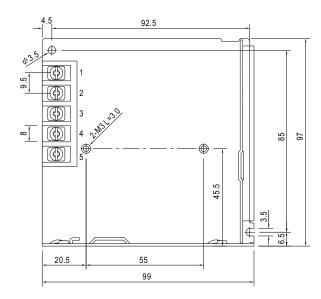


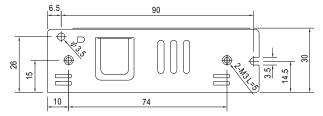
LRS-75 series

Unit:mm

Case No.240A

■ Mechanical Specification





Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment						
1	AC/L	4	DC OUTPUT -V						
2	AC/N	5	DC OUTPUT +V						
3	FG ±								

■ Installation Manual

Please refer to : http://www.meanwell.com/manual.html



























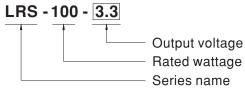




Features

- · Universal AC input / Full range
- · Withstand 300VAC surge input for 5 second
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- · Miniature size and 1U low profile
- Compliance to IEC/EN 60335-1(PD3) and IEC/EN61558-1, 2-16 for household appliances
- · Operating altitude up to 5000 meters (Note.7)
- · Withstand 5G vibration test
- · LED indicator for power on
- No load power consumption<0.3W
- · Over voltage category III
- 100% full load burn-in test
- High operating temperature up to 70°C
- · High efficiency, long life and high reliability
- 3 years warranty

■ Model Encoding



Applications

- · Industrial automation machinery
- Industrial control system
- · Mechanical and electrical equipment
- Electronic instruments, equipments or apparatus
- Household appliances





LRS-100 series

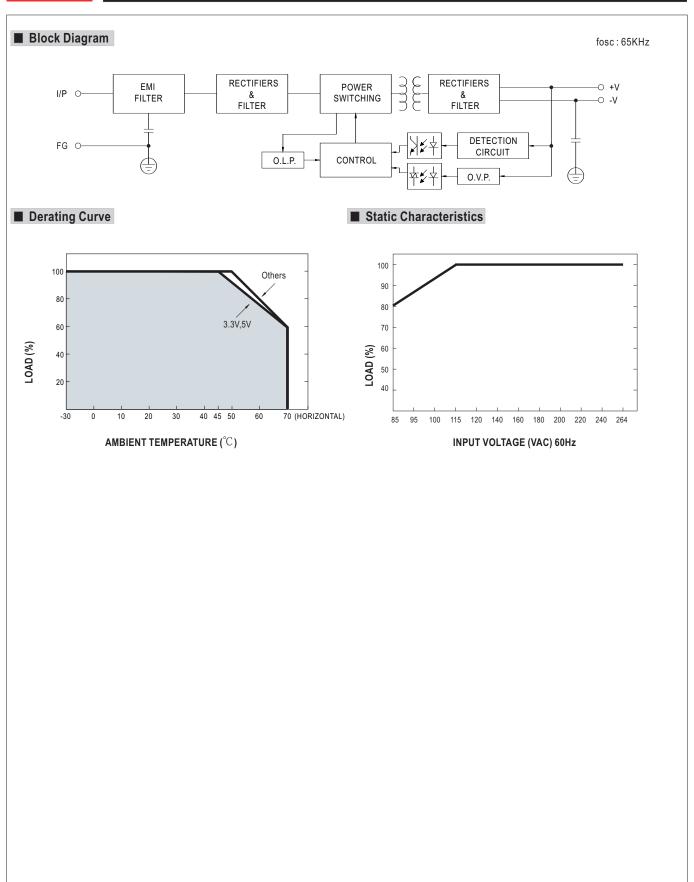
SPECIFICATION

MODEL		LRS-100-3.3	LRS-100-5	LRS-100-12	LRS-100-15	LRS-100-24	LRS-100-36	LRS-100-48		
	DC VOLTAGE	3.3V	5V	12V	15V	24V	36V	48V		
	RATED CURRENT	20A	18A	8.5A	7A	4.5A	2.8A	2.3A		
	CURRENT RANGE	0 ~ 20A	0 ~ 18A	0 ~ 8.5A	0 ~ 7A	0 ~ 4.5A	0 ~ 2.8A	0 ~ 2.3A		
	RATED POWER	66W	90W	102W	105W	108W	100.8W	110.4W		
	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	120mVp-p	120mVp-p	150mVp-p	200mVp-p	200mVp-p		
OUTPUT	VOLTAGE ADJ. RANGE	2.97 ~ 3.6V	4.5 ~ 5.5V	10.2 ~ 13.8V	13.5 ~ 18V	21.6 ~ 28.8V	32.4 ~ 39.6V	43.2 ~ 52.8V		
	VOLTAGE TOLERANCE Note.3	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%		
	LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
	LOAD REGULATION Note.5	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
	SETUP, RISE TIME	500ms, 30ms/2	30VAC 500r	ns,30ms/115VAC	at full load					
	HOLD UP TIME (Typ.)	55ms/230VAC	10ms/115VAC	at full load						
	VOLTAGE RANGE	85 ~ 264VAC	120 ~ 373VD	C (Withstand 300	VAC surge for 5	sec. Without dan	nage)			
	FREQUENCY RANGE	47 ~ 63Hz								
	EFFICIENCY (Typ.)	84.5%	86%	88%	88.5%	90%	90.5%	91%		
INPUT	AC CURRENT (Typ.)	1.9A/115VAC	1.2A/230VA			·	1			
	INRUSH CURRENT (Typ.)	COLD START 5	60A/230VAC							
	LEAKAGE CURRENT	<0.75mA / 240\	/AC							
	110 ~ 150% rated output power									
	OVER LOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed								
PROTECTION		3.8 ~ 4.45V	5.75 ~ 6.75V	13.8 ~ 16.2V	18.75 ~ 21.75V	28.8 ~ 33.6V	41.4 ~ 48.6V	55.2 ~ 64.8V		
	OVER VOLTAGE	Protection type : Shut down o/p voltage, re-power on to recover								
	WORKING TEMP.	-30 ~ +70°C (Re	efer to "Derating	Curve")						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10	~ 95% RH non-	condensing						
	TEMP. COEFFICIENT	±0.03%/℃ (0	~50°C)							
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes								
	OVER VOLTAGE CATEGORY	III; Compliance	e to EN61558, EN	N50178, EN6066	4-1, EN62477-1;	altitude up to 20	00 meters			
	SAFETY STANDARDS		JV EN62368-1, I 4, AS/NZS 60950			CCC GB4943.1,	BSMI CNS1433	6-1,		
SAFFTV &	WITHSTAND VOLTAGE	I/P-O/P:4KVAC	I/P-FG:2KVA0	O/P-FG:1.25	KVAC					
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG	O/P-FG:100M C	Ohms / 500VDC /	25°C / 70% RH					
(Note 8)	EMC EMISSION	Compliance to E	N55032 (CISPR3	32) Class B, EN55	014, EN61000-3	-2,-3, GB/T 9254,	BSMI CNS13438	B, EAC TP TC 02		
	EMC IMMUNITY	Compliance to E	EN61000-4-2,3,4,	5,6,8,11, EN6100	0-6-2 (EN50082	-2), heavy indust	ry level, criteria A	, EAC TP TC 02		
	MTBF	720.6K hrs min.	MIL-HDBK-2	17F (25°C)						
OTHERS	DIMENSION	129*97*30mm (L*W*H)							
	PACKING	0.34Kg; 40pcs/	14.6Kg/0.92CUF	T						
NOTE	Ripple & noise are mea Tolerance : includes set Line regulation is meas Load regulation is meas Length of set up time is time. The ambient temperatu The power supply is comounting the unit on a EMC directives. For gui	sured at 20MHz t up tolerance, li ured from low lir sured from 0% to measured at co re derating of 5° nsidered a comp 360mm*360mm	0.34Kg; 40pcs/14.6Kg/0.92CUFT cially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor up tolerance, line regulation and load regulation. red from low line to high line at rated load. Irred from 0% to 100% rated load.							





LRS-100 series





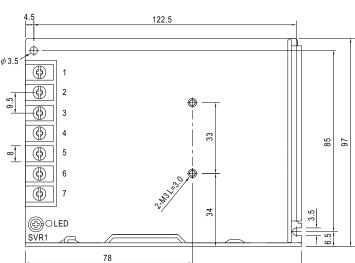


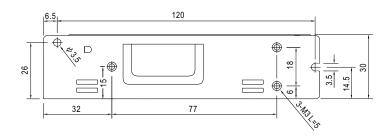
LRS-100 series

Unit:mm

Case No.238A

■ Mechanical Specification





129

Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG ±		

■ Installation Manual

Please refer to : http://www.meanwell.com/manual.html





























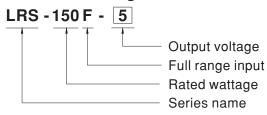




■ Features

- Universal AC input / Full range
- · Withstand 300VAC surge input for 5 second
- No load power consumption<0.5W
- Miniature size and 1U low profile
- High operating temperature up to 70°C
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Compliance to IEC/EN 60335-1(PD3) and IEC/EN61558-1, 2-16 for household appliances
- · Operating altitude up to 5000 meters
- · Withstand 5G vibration test
- · High efficiency, long life and high reliability
- · LED indicator for power on
- Over voltage category III
- 100% full load burn-in test
- 3 years warranty

■ Model Encoding



Applications

- Industrial automation machinery
- · Industrial control system
- Mechanical and electrical equipment
- Electronic instruments, equipments or apparatus
- Household appliances





LRS-150F series

SPECIFICATION

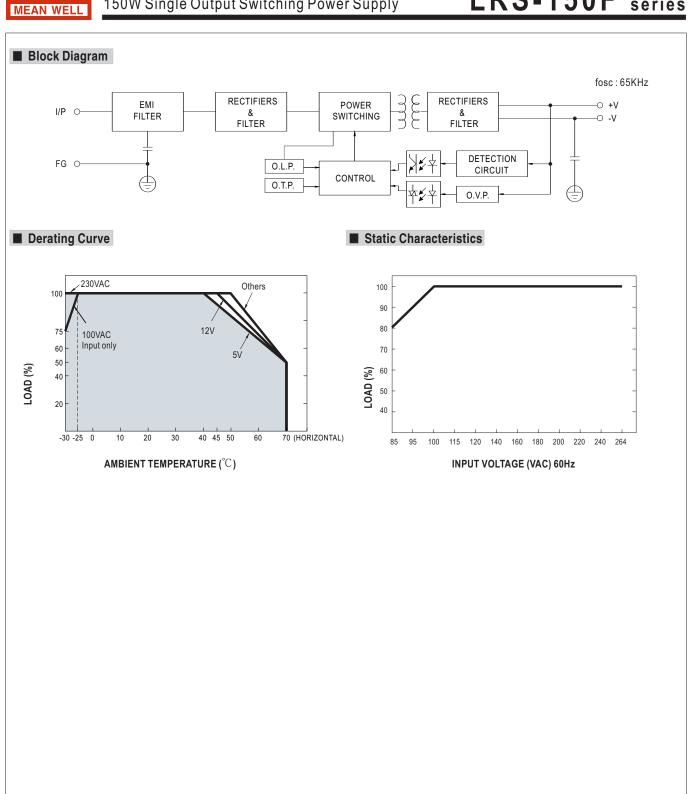
MODEL		LRS-150F-5	LRS-150F-12	LRS-150F-15	LRS-150F-24	LRS-150F-36	LRS-150F-48			
	DC VOLTAGE	5V	12V	15V	24V	36V	48V			
	RATED CURRENT	22A	12.5A	10A	6.5A	4.3A	3.3A			
	CURRENT RANGE	0 ~ 22A	0 ~ 12.5A	0 ~ 10A	0 ~ 6.5A	0 ~ 4.3A	0 ~ 3.3A			
	RATED POWER	110W	150W	150W	156W	154.8W	158.4W			
	RIPPLE & NOISE (max.) Note.2	100mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p			
DUTPUT	VOLTAGE ADJ. RANGE	4.5 ~ 5.5V	10.2 ~ 13.8V	13.5 ~ 18V	21.6 ~ 28.8V	32.4 ~ 39.6V	43.2 ~ 52.8V			
	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%			
	LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%			
	LOAD REGULATION Note.5	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%			
	SETUP, RISE TIME	500ms, 30ms/230	VAC 500ms,3	0ms/115VAC at ful	lload					
	HOLD UP TIME (Typ.)	16ms/230VAC 12ms/115VAC at full load								
	VOLTAGE RANGE	85 ~ 264VAC	120 ~ 370VDC							
	FREQUENCY RANGE	47 ~ 63Hz								
	EFFICIENCY (Typ.)	85%	87.5%	89%	89%	89%	90%			
INPUT	AC CURRENT (Typ.)	3A/115VAC	1.7A/230VAC	1		'				
	INRUSH CURRENT (Typ.)	COLD STAR 60A	R 60A/230VAC							
	LEAKAGE CURRENT	<0.75mA / 240VA	С							
	OVER LOAD	110 ~ 140% rated output power								
		Protection type: Hiccup mode, recovers automatically after fault condition is removed								
PROTECTION	OVER VOLTAGE	5.75 ~ 6.75V	13.8 ~ 16.2V	18.75 ~ 21.75V	28.8 ~ 33.6V	41.4 ~ 48.6V	55.2 ~ 64.8V			
		Protection type : Shut down o/p voltage, re-power on to recover								
	OVER TEMPERATURE		tage, re-power on							
	WORKING TEMP.	,	er to "Derating Curv	/e")						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY									
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)								
	VIBRATION				ach along X, Y, Z axes					
	OVER VOLTAGE CATEGORY				N62477-1; altitude u	·				
	SAFETY STANDARDS		EN62368-1, EN60 AS/NZS 60950.1(b		1/-2-16,CCC GB4	943.1, BSMI CNS1	4336-1,			
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:4KVAC	I/P-FG:2KVAC	O/P-FG:1.25KVAC						
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, C)/P-FG:100M Ohms	s/500VDC/25°C/	70% RH					
(Note 7)	EMC EMISSION		55032 (CISPR32) C CNS13438, EAC TF		N61000-3-2 Class A	(≤80% Load),EN6	1000-3-3,			
	EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A									
	MTBF	648.6K hrs min. MIL-HDBK-217F (25°C)								
OTHERS	DIMENSION	159*97*30mm (L*		· · /						
	PACKING	0.48Kg; 30pcs/15	,							
NOTE	All parameters NOT specific properties. All parameters not specific properties.	ecially mentioned a sured at 20MHz of t up tolerance, line	are measured at 2 of bandwidth by us regulation and lo	sing a 12" twisted p ad regulation.						

- 4. Line regulation is measured from low line to high line at rated load.
- 5. Load regulation is measured from 0% to 100% rated load.
- 6. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.
- 9. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)
- 8. The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m (6500ft).





LRS-150F series

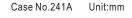


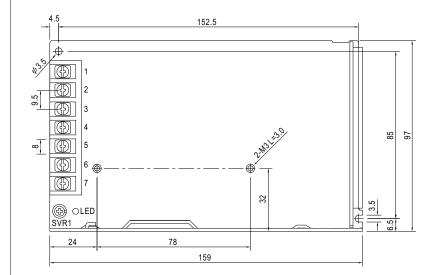


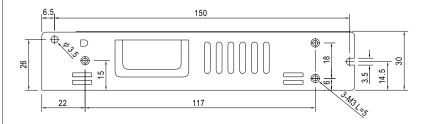


LRS-150F series

■ Mechanical Specification







Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG ±		

■ Installation Manual

Please refer to: http://www.meanwell.com/manual.html