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LPV POWER SUPPLY

IP67

PAG. 4-9



LPV-20 series

20w single output switching power supply



□ LPS IP67   

Features :

- Constant voltage design
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Over load / Over voltage
- Cooling by free air convection
- Small and compact size
- Fully encapsulated with IP67 level (Note.7)
- Fully isolated plastic case
- Class II power unit, no FG
- Class 2 power unit
- Pass LPS
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

SPECIFICATION

MODEL		LPV-20-5	LPV-20-12	LPV-20-15	LPV-20-24
OUTPUT	DC VOLTAGE	5V	12V	15V	24V
	RATED CURRENT	3A	1.67A	1.33A	0.84A
	CURRENT RANGE	0 ~ 3A	0 ~ 1.67A	0 ~ 1.33A	0 ~ 0.84A
	RATED POWER	15W	20W	20W	20.2W
	RIPPLE & NOISE (max.) <small>Note.2</small>	80mVp-p	120mVp-p	120mVp-p	150mVp-p
	VOLTAGE TOLERANCE <small>Note.3</small>	±5.0%			
	LINE REGULATION	±1.0%			
	LOAD REGULATION	±2.0%			
	SETUP, RISE TIME <small>Note.6</small>	500ms, 20ms / 230VAC 500ms, 20ms / 115VAC at full load			
HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load				
INPUT	VOLTAGE RANGE <small>Note.4</small>	90 ~ 264VAC	127 ~ 370VDC		
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY (Typ.)	77%	81%	83%	83%
	AC CURRENT (Typ.)	0.55A/115VAC	0.35A/230VAC		
	INRUSH CURRENT(Typ.)	COLD START 70A(twidth=215µs measured at 50% Ipeak) at 230VAC			
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	8 units (circuit breaker of type B) / 14 units (circuit breaker of type C) at 230VAC			
	LEAKAGE CURRENT	0.25mA / 240VAC			
PROTECTION	OVER LOAD	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed			
	OVER VOLTAGE	5.75 ~ 6.75V	13.8 ~ 16V	17.5 ~ 21V	28 ~ 32V
		Protection type : Shut off o/p voltage, clamping by zener diode			
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")			
	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH			
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)			
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes			
SAFETY & EMC	SAFETY STANDARDS	UL879, UL1310, CSA C22.2 No. 207-M89, CAN/CSA C22.2 No. 223-M91, TUV EN60950-1, EAC TP TC 004, IP67 approved			
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC			
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH			
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2 Class A, EN61000-3-3, EAC TP TC 020			
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020			
OTHERS	MTBF	786.5Khrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	118*35*26mm (L*W*H)			
	PACKING	0.22Kg; 60pcs/14.2Kg/0.62CUFT			

LPV-35 series

35w single output switching power supply



Features :

- Constant voltage design
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Fully encapsulated with IP67 level (Note.9)
- Fully isolated plastic case
- Class II power unit, no FG
- Class 2 power unit
- Pass LPS
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)(Note.8)
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

SPECIFICATION

MODEL		LPV-35-5	LPV-35-12	LPV-35-15	LPV-35-24	LPV-35-36
OUTPUT	DC VOLTAGE	5V	12V	15V	24V	36V
	RATED CURRENT	5A	3A	2.4A	1.5A	1A
	CURRENT RANGE	0 ~ 6A (Note.7)	0 ~ 3A	0 ~ 2.4A	0 ~ 1.5A	0 ~ 1A
	RATED POWER	30W	36W	36W	36W	36W
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	120mVp-p	150mVp-p	150mVp-p
	VOLTAGE TOLERANCE Note.3	±6.0%	±5.0%			
	LINE REGULATION	±1.0%				
	LOAD REGULATION	±4.0%	±2.0%			
SETUP, RISE TIME Note.6	500ms, 20ms / 230VAC	500ms, 20ms / 115VAC at full load				
HOLD UP TIME (Typ.)	50ms/230VAC	16ms/115VAC at full load				
INPUT	VOLTAGE RANGE Note.4	90 ~ 264VAC	127 ~ 370VDC			
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	77%	84%	84%	85%	85%
	AC CURRENT (Typ.)	1.1A/115VAC 0.7A/230VAC				
	INRUSH CURRENT(Typ.)	COLD START 55A(twidth=510µs measured at 50% Ipeak) at 230VAC				
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	4 units (circuit breaker of type B) / 7 units (circuit breaker of type C) at 230VAC				
	LEAKAGE CURRENT	0.25mA / 240VAC				
	PROTECTION	OVERLOAD	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed			
OVER VOLTAGE		5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	41.4 ~ 48.6V
WORKING TEMP.		-30 ~ +65°C (Refer to "Derating Curve")				
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)				
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
	SAFETY STANDARDS	UL1310 class 2, CAN/CSA No. 223-M91, BIS IS15885(for LPV-35-12,LPV-35-24 only), EAC TP TC 004, IP67 approved ; design refer to TUV EN60950-1				
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC				
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH				
OTHERS	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2 Class A, EN61000-3-3, EAC TP TC 020				
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020				
	MTBF	743.5Khrs min. MIL-HDBK-217F (25°C)				
OTHERS	DIMENSION	148*40*30mm (L*W*H)				
	PACKING	0.34Kg; 40pcs/14.6Kg/0.63CUFT				

LPV-60 series

60w single output switching power supply



Features :

- Constant voltage design
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Over load / Over voltage
- Cooling by free air convection
- Fully encapsulated with IP67 level (Note.8)
- Fully isolated plastic case
- Class II power unit, no FG
- Class 2 power unit
- Pass LPS
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)(Note.7)
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

LPS (except for 5V) IP67

SPECIFICATION

MODEL		LPV-60-5	LPV-60-12	LPV-60-15	LPV-60-24	LPV-60-36	LPV-60-48
OUTPUT	DC VOLTAGE	5V	12V	15V	24V	36V	48V
	RATED CURRENT	8A	5A	4A	2.5A	1.67A	1.25A
	CURRENT RANGE	0 ~ 8A	0 ~ 5A	0 ~ 4A	0 ~ 2.5A	0 ~ 1.67A	0 ~ 1.25A
	RATED POWER	40W	60W	60W	60W	60W	60W
	RIPPLE & NOISE (max.) <small>Note.2</small>	80mVp-p	120mVp-p	120mVp-p	150mVp-p	150mVp-p	150mVp-p
	VOLTAGE TOLERANCE <small>Note.3</small>	±8.0%	±5.0%				
	LINE REGULATION	±1.0%					
	LOAD REGULATION	±6.0%	±2.0%				
	SETUP, RISE TIME <small>Note.6</small>	500ms, 20ms / 230VAC	500ms, 20ms / 115VAC at full load(for 5~36V) ; 500ms, 30ms / 230VAC		500ms, 30ms / 115VAC at full load(for 48V)		
	HOLD UP TIME (Typ.)	50ms/230VAC	16ms/115VAC at full load				
INPUT	VOLTAGE RANGE <small>Note.4</small>	90 ~ 264VAC	127 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz					
	EFFICIENCY (Typ.)	76%	83%	83%	86%	86%	86%
	AC CURRENT (Typ.)	1.2A/115VAC	1A/230VAC				
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth=525μs measured at 50% Ipeak) at 230VAC					
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT	0.25mA / 240VAC					
	OVER LOAD	110 ~ 150% rated output power					
	OVER VOLTAGE	Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	WORKING TEMP.	Protection type : Shut down o/p voltage, re-power on to recover					
ENVIRONMENT	WORKING HUMIDITY	-30 ~ +70°C (Refer to "Derating Curve")					
	STORAGE TEMP., HUMIDITY	20 ~ 90% RH non-condensing					
	TEMP. COEFFICIENT	-40 ~ +80°C, 10 ~ 95% RH					
	VIBRATION	±0.03%/°C (0 ~ 50°C)					
	SAFETY STANDARDS	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes					
SAFETY & EMC	WITHSTAND VOLTAGE	UL879(except for LPV-60-5), UL1310(except for LPV-60-5), CSA C22.2 No. 207-M89(except for LPV-60-5, LPV-60-48), CAN/CSA C22.2 No. 223-M91(except for LPV-60-5,LPV-60-48), BIS IS15885(for LPV-60-12,LPV-60-24 only), EAC TP TC 004, IP67, IEC60950-1:2005+A2:2013 approved ; design refer to TUV EN60950-1					
	ISOLATION RESISTANCE	I/P-O/P:3KVAC					
	EMC EMISSION	I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH					
	EMC IMMUNITY	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2 Class A, EN61000-3-3, EAC TP TC 020					
	MTBF	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020					
OTHERS	DIMENSION	732Khrs min. MIL-HDBK-217F (25°C)					
	PACKING	162.5*42.5*32mm (L*W*H)					
		0.4Kg; 32pcs/13.8Kg/0.56CUFT					

LPV-100 series

100w single output switching power supply



Features :

- Constant voltage design
- Universal AC input / Full range
- Fully encapsulated with IP67 level (Note.8)
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage
- Fully isolated plastic case
- Cooling by free air convection
- 100% full load burn-in test
- Low cost, high reliability
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)(Note 7.)
- 2 years warranty

SPECIFICATION

MODEL		LPV-100-5	LPV-100-12	LPV-100-15	LPV-100-24	LPV-100-36	LPV-100-48
OUTPUT	DC VOLTAGE	5V	12V	15V	24V	36V	48V
	RATED CURRENT	12A	8.5A	6.7A	4.2A	2.8A	2.1A
	CURRENT RANGE	0 ~ 12A	0 ~ 8.5A	0 ~ 6.7A	0 ~ 4.2A	0 ~ 2.8A	0 ~ 2.1A
	RATED POWER	60W	102W	100.5W	100.8W	100.8W	100.8W
	RIPPLE & NOISE (max.) <small>Note.2</small>	80mVp-p	120mVp-p	120mVp-p	150mVp-p	150mVp-p	150mVp-p
	VOLTAGE TOLERANCE <small>Note.3</small>	±8.0%	±5.0%				
	LINE REGULATION	±1.0%					
	LOAD REGULATION	±6.0%	±2.0%				
INPUT	SETUP, RISE TIME <small>Note.6</small>	2000ms, 25ms / 230VAC 2000ms, 25ms / 115VAC					
	HOLD UP TIME (Typ.)	50ms/230VAC	14ms/115VAC at full load				
	VOLTAGE RANGE <small>Note.4</small>	90 ~ 264VAC	127 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz					
	EFFICIENCY (Typ.)	80%	85%	87%	88%	88%	89%
	AC CURRENT	2.2A/115VAC 1.2A/230VAC					
	INRUSH CURRENT(Typ.)	COLD START 75A(twidth=700µs measured at 50% Ipeak) at 230VAC					
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	2 units (circuit breaker of type B) / 3 units (circuit breaker of type C) at 230VAC					
PROTECTION	LEAKAGE CURRENT	0.25mA / 240VAC					
	OVERLOAD	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	OVER VOLTAGE	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	41.4 ~ 48.6V	55.2 ~ 64.8V
	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")					
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)					
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes					
	SAFETY STANDARDS	UL8750, CSA C22.2 No 250, 13-12, UL879, CSA C22.2 No.207-M89, BIS IS15885(for LPV-100-12, LPV-100-24 only), EAC TP TC 004, IP67 approved. Design refer to EN60950-1					
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC					
	ISOLATION RESISTANCE	I/P-O/P: >100M Ohms / 500VDC / 25°C/ 70% RH					
OTHERS	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2 Class A(≤ 80% load), EN61000-3-3, EAC TP TC 020					
	EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11; EN55024, light industry level, criteria A, EAC TP TC 020					
	MTBF	703Khrs min. MIL-HDBK-217F (25°C)					
	DIMENSION	190*52*37mm (L*W*H)					
	PACKING	0.63Kg/20pcs/13.6Kg/0.55CUFT					



LPV-150 series

150w single output switching power supply



Features

- Constant voltage design
- 90~132VAC input for LPVL-150 180~305VAC input
- Fully encapsulated with IP67 level (Note.8)
- Class II power unit, no FG
- Protections: Short circuit/Overload/Over voltage/Over temperature
- Fully isolated plastic case
- Fanless design, cooling by free air convection
- 100% full load burn-in test
- Listed in UL Sign Component Manual (SAM)
- Type "HL" for use in class I, Division 2 hazardous (Classified) location luminaires for LPVL-150
- 2 years warranty

SPECIFICATION

MODEL	LPV □ -150-12		LPV-150-15	LPV □ -150-24	LPV-150-36	LPV-150-48	
OUTPUT	DC VOLTAGE	12V		15V	24V	36V	48V
	RATED CURRENT	10A		8A	6.3A	4.2A	3.2A
	CURRENT RANGE	0 ~ 10A		0 ~ 8A	0 ~ 6.3A	0 ~ 4.2A	0 ~ 3.2A
	RATED POWER	120W		120W	151.2W	151.2W	153.6W
	RIPPLE & NOISE (max.)	Note.2	200mVp-p		200mVp-p	200mVp-p	200mVp-p
	VOLTAGE TOLERANCE	Note.3	±5.0%				
	LINE REGULATION		±1.0%				
	LOAD REGULATION		±2.0%				
	SETUP, RISE TIME	Note.6	LPV-150: 500ms, 50ms / 230VAC		500ms, 50ms / 277VAC; LPVL-150: 1500ms, 50ms / 115VAC		
	HOLD UP TIME (Typ.)		LPV-150: 18ms/230VAC		20ms/277VAC at full load; LPVL-150: 10ms/115VAC at full load		
INPUT	VOLTAGE RANGE	Note.4	LPV-150: 180 ~ 305VAC		254 ~ 431VDC; LPVL-150: 90~132VAC 254 ~ 370VDC		
	FREQUENCY RANGE		47 ~ 63Hz				
	EFFICIENCY (Typ.)		87%	88%	89%	89%	90%
	AC CURRENT		LPV-150: 1.7A/230VAC		1.5A/277VAC; LPVL-150: 3.0A/115VAC		
	INRUSH CURRENT (Typ.)	Blank type	COLD START 60A(twidth=900μs measured at 50% Ipeak) at 230VAC				
		L type	COLD START 75A(twidth=900μs measured at 50% Ipeak) at 115VAC				
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	Blank type	2 units (circuit breaker of type B) / 3 units (circuit breaker of type C) at 230VAC				
		L type	1 units (circuit breaker of type B) / 2 units (circuit breaker of type C) at 115VAC				
	LEAKAGE CURRENT		LPV-150: 0.25mA / 240VAC		LPVL-150: 0.25mA / 120VAC		
	PROTECTION	OVERLOAD		110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed			
OVER VOLTAGE			13.5 ~ 18V	17 ~ 25V	27 ~ 35V	40 ~ 49V	52 ~ 63V
			Protection type : Shut down o/p voltage, re-power on to recover				
OVER TEMPERATURE			Shut down o/p voltage, recovers automatically after temperature goes down				
ENVIRONMENT	WORKING TEMP.		-25 ~ +65°C (Refer to "Derating Curve")				
	WORKING HUMIDITY		20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY		-40 ~ +80°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT		±0.03%/°C (0 ~ 40°C for LPV-150-12,15 and LPVL-150-12,24; 0~50°C for LPV-150-24,36,48)				
SAFETY & EMC	VIBRATION		10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
	SAFETY STANDARDS	Blank type	UL8750, CSA C22.2 No 250.13-12, UL879, CSA C22.2 No.207-M89, BIS IS15885(for LPV-150-12,24 only), EAC TP TC 004, IP67 approved. Design refer to EN60950-1				
		L type	UL8750(type"HL"), CSA C22.2 No 250.13-12, UL879, CSA C22.2 No.207-M89, IP67 approved				
	WITHSTAND VOLTAGE		I/P-O/P: 3KVAC				
	ISOLATION RESISTANCE		I/P-O/P: >100M Ohms / 500VDC / 25°C/ 70% RH				
	EMC EMISSION	Blank type	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2 Class A(≤80% load), EN61000-3-3, EAC TP TC 020				
OTHERS		L type	Compliance to FCC part 15				
	EMC IMMUNITY	Blank type	Compliance to EN61000-4-2,3,4,5,6,8,11; EN55024, light industry level, criteria A, EAC TP TC 020				
		L type	Design refer to IEC61000-4-2,3,4,5,6,8,11; light industry level, criteria A				
	MTBF		703Khrs min. MIL-HDBK-217F (25°C)				
DIMENSION		191*63*37.5mm (L*W*H)					
	PACKING		LPV-150: 0.74Kg/20pcs/15.8Kg/0.95CUFT;		LPVL-150: 0.85Kg/20pcs/17Kg/0.95CUFT		



RS-LRS-SP-RSP POWER SUPPLY

PAG. 10-19



RS 15 series

15w single output switching power supply



Features :

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- No load power consumption<0.5W
- All using 105°C long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to 70°C
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 3 years warranty



SPECIFICATION

MODEL		RS-15-3.3	RS-15-5	RS-15-12	RS-15-15	RS-15-24	RS-15-48
OUTPUT	DC VOLTAGE	3.3V	5V	12V	15V	24V	48V
	RATED CURRENT	3A	3A	1.3A	1A	0.625A	0.313A
	CURRENT RANGE	0 ~ 3A	0 ~ 3A	0 ~ 1.3A	0 ~ 1A	0 ~ 0.625A	0 ~ 0.313A
	RATED POWER	9.9W	15W	15.6W	15W	15W	15.024W
	RIPPLE & NOISE (max.) <small>Note.2</small>	80mVp-p	80mVp-p	120mVp-p	120mVp-p	200mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	2.9 ~ 3.6V	4.75 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	22 ~ 27.6V	43.2 ~ 52.8V
	VOLTAGE TOLERANCE <small>Note.3</small>	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION <small>Note.4</small>	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION <small>Note.5</small>	±2.0%	±1.5%	±0.5%	±0.5%	±0.5%	±0.5%
INPUT	SETUP, RISE TIME	1000ms, 30ms/230VAC 1000ms, 30ms/115VAC at full load					
	HOLD UP TIME (Typ.)	70ms/230VAC	12ms/115VAC at full load				
	VOLTAGE RANGE	85 ~ 264VAC	120 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz					
	EFFICIENCY (Typ.)	72%	77%	81%	81%	82%	82%
	AC CURRENT (Typ.)	0.35A/115VAC	0.25A/230VAC				
	INRUSH CURRENT (Typ.)	COLD START 65A / 230VAC					
	LEAKAGE CURRENT	<2mA / 240VAC					
PROTECTION	OVERLOAD	Above 105% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	OVER VOLTAGE	3.8 ~ 4.45V	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	28.4 ~ 32.4V	55.2 ~ 64.8V
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down					
ENVIRONMENT	WORKING TEMP.	-20 ~ +70°C (Refer to "Derating Curve")					
	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)					
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes					
SAFETY & EMC <small>(Note 6)</small>	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, EAC TP TC 004, CCC GB4943.1, BSMI CNS14336-1 approved					
	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					
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3,GB9254 class B,GB17625.1, EAC TP TC 020, CNS13438 Class B					
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8,11, EN55024, EN61000-6-1, light industry level, criteria A, EAC TP TC 020					
	MTBF	1608.8Khrs min. MIL-HDBK-217F (25°C)					
	DIMENSION	62.5*51*28mm (L*W*H)					
	PACKING	0.13Kg; 108pcs/15Kg/0.71CUFT					

RS 25 series

25w single output switching power supply



Features :

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- All using 105°C long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to 70°C
- Withstand 5G vibration test
- No load power consumption<0.5W
- High efficiency, long life and high reliability
- 3 years warranty



SPECIFICATION

MODEL		RS-25-3.3	RS-25-5	RS-25-12	RS-25-15	RS-25-24	RS-25-48
OUTPUT	DC VOLTAGE	3.3V	5V	12V	15V	24V	48V
	RATED CURRENT	6A	5A	2.1A	1.7A	1.1A	0.57A
	CURRENT RANGE	0 ~ 6A	0 ~ 5A	0 ~ 2.1A	0 ~ 1.7A	0 ~ 1.1A	0 ~ 0.57A
	RATED POWER	19.8W	25W	25.2W	25.5W	26.4W	27.36W
	RIPPLE & NOISE (max.) <small>Note.2</small>	80mVp-p	80mVp-p	120mVp-p	120mVp-p	120mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	2.85 ~ 3.6V	4.75 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	22 ~ 27.6V	42 ~ 54V
	VOLTAGE TOLERANCE <small>Note.3</small>	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION <small>Note.4</small>	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION <small>Note.5</small>	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	1800ms, 23ms/230VAC 4000ms, 30ms/115VAC at full load					
HOLD UP TIME (Typ.)	80ms/230VAC 14ms/115VAC at full load						
VOLTAGE RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)						
FREQUENCY RANGE	47 ~ 63Hz						
INPUT	EFFICIENCY(Typ.)	73.5%	78.5%	81.5%	83.5%	86%	85%
	AC CURRENT (Typ.)	0.7A/115VAC 0.4A/230VAC					
	INRUSH CURRENT (Typ.)	COLD START 30A/230VAC					
	LEAKAGE CURRENT	<2mA / 240VAC					
PROTECTION	OVERLOAD	110 ~ 180% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	OVER VOLTAGE	3.8 ~ 4.45V 5.75 ~ 6.75V 13.8 ~ 16.2V 17.25 ~ 20.25V 27.6 ~ 32.4V 55.2 ~ 64.8V Protection type : Shut off o/p voltage, clamping by zener diode					
	WORKING TEMP.	-20 ~ +70℃ (Refer to "Derating Curve")					
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/℃ (0 ~ 50℃)					
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes					
SAFETY & EMC (Note 6)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved					
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC					
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃ / 70% RH					
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3					
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A					
	MTBF	309.7Khrs min. MIL-HDBK-217F (25℃)					
	DIMENSION	78*51*28mm (L*W*H)					
	PACKING	0.2Kg: 60pcs/13Kg/0.46CUFT					

LRS-35 series

35w single output switching power supply



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



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
OUTPUT						
RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	120mVp-p	150mVp-p	200mVp-p	200mVp-p
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/230VAC 2000ms, 30ms/115VAC at full load					
HOLD UP TIME (Typ.)	30ms/230VAC 12ms/115VAC at full load					
VOLTAGE RANGE	85 ~ 264VAC	120 ~ 373VDC				
FREQUENCY RANGE	47 ~ 63Hz					
INPUT						
EFFICIENCY (Typ.)	82%	86%	86%	88%	88%	89%
AC CURRENT (Typ.)	0.7A/115VAC	0.42A/230VAC				
INRUSH CURRENT (Typ.)	COLD START 45A/230VAC					
LEAKAGE CURRENT	<0.75mA / 240VAC					
OVER LOAD	110 ~ 150% rated output power					
PROTECTION	Protection type : Hiccup mode, recovers automatically after fault condition is removed					
OVER VOLTAGE	5.75 ~ 6.9V	13.8 ~ 16.2V	18.75 ~ 21.75V	28.8 ~ 33.6V	41.4 ~ 48.6V	55.2 ~ 64.8V
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 EN61558, EN50178, EN60664-1, EN62477-1; altitude up to 2000 meters					
SAFETY STANDARDS	UL60950-1, TUV EN60950-1, EN60335-1, EN61558-1/-2-16, CCC GB4943.1, BSMI CNS14336-1, EAC TP TC 004, AS/NZS 60950.1 (by CB) approved					
SAFETY & EMC	WITHSTAND VOLTAGE I/P-O/P:4KVAC I/P-FG:2KVAC O/P-FG:1.25KVAC					
(Note 9)	ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH					
EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN55014, EN61000-3-2,-3, GB/T 9254, BSMI CNS13438, EAC TP TC 020					
EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020					
MTBF	763.6K hrs min. MIL-HDBK-217F (25°C)					
OTHERS	DIMENSION 99*82*30mm (L*W*H)					
PACKING	0.23Kg ; 60pcs/14.8Kg/0.88CUFT					

LRS-50 series

50w single output switching power supply



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

SPECIFICATION

MODEL		LRS-50-3.3	LRS-50-5	LRS-50-12	LRS-50-15	LRS-50-24	LRS-50-36	LRS-50-48
OUTPUT	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.) <small>Note.2</small>	80mVp-p	80mVp-p	120mVp-p	120mVp-p	150mVp-p	200mVp-p	200mVp-p
	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 <small>Note.3</small>	± 3.0%	± 2.0%	± 1.0%	± 1.0%	± 1.0%	± 1.0%	± 1.0%
	LINE REGULATION <small>Note.4</small>	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%
INPUT	LOAD REGULATION <small>Note.5</small>	± 2.0%	± 1.0%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%
	SETUP, RISE TIME	1000ms, 30ms/230VAC 2000ms, 30ms/115VAC at full load						
	HOLD UP TIME (Typ.)	30ms/230VAC 12ms/115VAC at full load						
	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 373VDC						
	FREQUENCY RANGE	47 ~ 63Hz						
	EFFICIENCY (Typ.)	80%	83%	86%	88%	88%	89%	90%
	AC CURRENT (Typ.)	0.95A/115VAC 0.56A/230VAC						
	INRUSH CURRENT (Typ.)	COLD START 45A/230VAC						
PROTECTION	LEAKAGE CURRENT	<0.75mA / 240VAC						
	OVER LOAD	110 ~ 150% rated output power						
	OVER VOLTAGE	Protection type : Hiccup mode, recovers automatically after fault condition is removed						
		3.8 ~ 4.45V	5.9 ~ 7.3V	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						
	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")						
	WORKING HUMIDITY	20 ~ 90% RH non-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 to EN61558, EN50178, EN60664-1, EN62477-1; altitude up to 2000 meters						
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, 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						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH						
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN55014, EN61000-3-2,-3, GB/T 9254, BSMI CNS13438, EAC TP TC 020						
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020						
OTHERS	MTBF	645K hrs min. MIL-HDBK-217F (25°C)						
	DIMENSION	99*82*30mm (L*W*H)						
	PACKING	0.23Kg; 60pcs/14.8Kg/0.88CUFT						

LRS-75 series

75w single output switching power supply



Features

- 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



SPECIFICATION

MODEL		LRS-75-5	LRS-75-12	LRS-75-15	LRS-75-24	LRS-75-36	LRS-75-48	
OUTPUT	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.) <small>Note.2</small>	100mVp-p	120mVp-p	120mVp-p	150mVp-p	200mVp-p	200mVp-p	
	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 <small>Note.3</small>	± 2.0%	± 1.0%	± 1.0%	± 1.0%	± 1.0%	± 1.0%	
	LINE REGULATION <small>Note.4</small>	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	
	LOAD REGULATION <small>Note.5</small>	± 1.0%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	
INPUT	SETUP, RISE TIME	500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load						
	HOLD UP TIME (Typ.)	60ms/230VAC	12ms/115VAC at full load					
	VOLTAGE RANGE	85 ~ 264VAC	120 ~ 373VDC					
	FREQUENCY RANGE	47 ~ 63Hz						
	EFFICIENCY (Typ.)	86.5%	89%	89%	90%	91.5%	91.5%	
	AC CURRENT (Typ.)	1.4A/115VAC	0.85A/230VAC					
	INRUSH CURRENT (Typ.)	COLD START 65A/230VAC						
	LEAKAGE CURRENT	<0.75mA / 240VAC						
	PROTECTION	OVER LOAD	110 ~ 150% rated output power					
		Protection type : Hiccup mode, recovers automatically after fault condition is removed						
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						
WORKING TEMP.		-30 ~ +70°C (Refer to "Derating Curve")						
WORKING HUMIDITY		20 ~ 90% RH non-condensing						
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						
SAFETY & EMC (Note 8)	OVER VOLTAGE CATEGORY	III; Compliance to EN61558, EN50178, EN60664-1, EN62477-1; altitude up to 2000 meters						
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, 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				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC / 25°C/ 70% RH						
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN55014, EN61000-3-2, -3, GB/T 9254, BSMI CNS13438, EAC TP TC 020						
	EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020						
	MTBF	681.2K hrs min. MIL-HDBK-217F (25°C)						
	OTHERS	DIMENSION	99*97*30mm (L*W*H)					
		PACKING	0.25Kg : 45pcs/ 12.25Kg/ 0.77CUFT					

LRS-100 series

100w single output switching power supply



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

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/230VAC 500ms, 30ms/115VAC at full load						
HOLD UP TIME (Typ.)	55ms/230VAC 10ms/115VAC at full load						
VOLTAGE RANGE	85 ~ 264VAC 120 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)						
FREQUENCY RANGE	47 ~ 63Hz						
INPUT EFFICIENCY (Typ.)	84.5%	86%	88%	88.5%	90%	90.5%	91%
AC CURRENT (Typ.)	1.9A/115VAC 1.2A/230VAC						
INRUSH CURRENT (Typ.)	COLD START 50A/230VAC						
LEAKAGE CURRENT	<0.75mA / 240VAC						
OVER LOAD	110 ~ 150% rated output power						
PROTECTION OVER VOLTAGE	Protection type : Hiccup mode, recovers automatically after fault condition is removed						
	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
	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; Compliance to EN61558, EN50178, EN60664-1, EN62477-1; altitude up to 2000 meters						
SAFETY STANDARDS	UL60950-1, TUV EN60950-1, EN60335-1, EN61558-1/-2-16, CCC GB4943.1, BSMI CNS14336-1, EAC TP TC 004, AS/NZS 60950.1 (by CB) approved						
SAFETY & EMC WITHSTAND VOLTAGE	I/P-O/P: 4KVAC I/P-FG: 2KVAC O/P-FG: 1.25KVAC						
(Note 8) ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC / 25 / 70% RH						
EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN55014, EN61000-3-2, -3, GB/T 9254, BSMI CNS13438, EAC TP TC 020						
EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020						
MTBF	720.6K hrs min. MIL-HDBK-217F (25°C)						
OTHERS DIMENSION	129*97*30mm (L*W*H)						
PACKING	0.34Kg ; 40pcs/14.6Kg/0.92CUFT						

LRS-150 series

150w single output switching power supply



Features

- AC input range selectable by switch
- 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



SPECIFICATION

MODEL	LRS-150-12	LRS-150-15	LRS-150-24	LRS-150-36	LRS-150-48
DC VOLTAGE	12V	15V	24V	36V	48V
RATED CURRENT	12.5A	10A	6.5A	4.3A	3.3A
CURRENT RANGE	0 ~ 12.5A	0 ~ 10A	0 ~ 6.5A	0 ~ 4.3A	0 ~ 3.3A
RATED POWER	150W	150W	156W	154.8W	158.4W
RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p
OUTPUT VOLTAGE ADJ. RANGE	10.2 ~ 13.8V	13.5 ~ 18V	21.6 ~ 28.8V	32.4 ~ 39.6V	43.2 ~ 52.8V
VOLTAGE TOLERANCE Note.3	± 1.0%	± 1.0%	± 1.0%	± 1.0%	± 1.0%
LINE REGULATION Note.4	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%
LOAD REGULATION Note.5	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%
SETUP, RISE TIME	500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load				
HOLD UP TIME (Typ.)	40ms/230VAC 35ms/115VAC at full load				
VOLTAGE RANGE	85 ~ 132VAC / 170 ~ 264VAC by switch 240 ~ 370VDC (switch on 230VAC)				
FREQUENCY RANGE	47 ~ 63Hz				
INPUT EFFICIENCY (Typ.)	87.5%	88.5%	89%	89%	90%
AC CURRENT (Typ.)	3A/115VAC	1.7A/230VAC			
INRUSH CURRENT (Typ.)	COLD STAR 60A/230VAC				
LEAKAGE CURRENT	<0.75mA / 240VAC				
OVER LOAD	110 ~ 140% rated output power				
PROTECTION OVER VOLTAGE	Protection type : Hiccup mode, recovers automatically after fault condition is removed				
OVER TEMPERATURE	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 : Compliance to EN61558, EN50178, EN60664-1, EN62477-1; altitude up to 2000 meters				
SAFETY STANDARDS	UL60950-1, TUV EN60950-1, EN60335-1, EN61558-1/-2-16, CCC GB4943.1, BSMI CNS14336-1, EAC TP TC 004, AS/NZS 60950.1 (by CB) approved				
SAFETY & EMC WITHSTAND VOLTAGE	I/P-O/P:4KVAC I/P-FG:2KVAC O/P-FG:1.25KVAC				
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH				
EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN55014, EN61000-3-2 Class A (<=75% Load), EN61000-3-3, GB/T 9254, BSMI CNS14338, EAC TP TC 020				
EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020				
MTBF	601K hrs min. MIL-HDBK-217F (25°C)				
OTHERS DIMENSION	159*97*30mm (L*W*H)				
PACKING	0.48Kg ; 30pcs/15.4Kg/0.75CUFT				

SP-240 series

240w single output with pfc function



SPECIFICATION

MODEL		SP-240-5	SP-240-7.5	SP-240-12	SP-240-15	SP-240-24	SP-240-30	SP-240-48
OUTPUT	DC VOLTAGE	5V	7.5V	12V	15V	24V	30V	48V
	RATED CURRENT	45A	32A	20A	16A	10A	8A	5A
	CURRENT RANGE	0 ~ 45A	0 ~ 32A	0 ~ 20A	0 ~ 16A	0 ~ 10A	0 ~ 8A	0 ~ 5A
	RATED POWER	225W	240W	240W	240W	240W	240W	240W
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	4 ~ 6V	6 ~ 9V	10 ~ 14V	12 ~ 18V	20 ~ 28V	27 ~ 33V	41 ~ 56V
	VOLTAGE TOLERANCE Note.3	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%
	LOAD REGULATION	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
INPUT	SETUP, RISE TIME	800ms, 50ms/230VAC 1500ms, 50ms/115VAC at full load						
	HOLD UP TIME (Typ.)	20ms/230VAC 20ms/115VAC at full load						
	VOLTAGE RANGE Note.5	88 ~ 264VAC 124 ~ 370VDC						
	FREQUENCY RANGE	47 ~ 63Hz						
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load						
	EFFICIENCY (Typ.)	79%	83%	86%	86%	87%	88%	89%
	AC CURRENT (Typ.)	3.6A/115VAC	1.8A/230VAC					
	INRUSH CURRENT (Typ.)	25A/115VAC	40A/230VAC					
PROTECTION	LEAKAGE CURRENT	<2mA / 240VAC						
	OVERLOAD	105 ~ 135% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed						
	OVER VOLTAGE	6.3 ~ 7.5V	9.4 ~ 10.9V	14.7 ~ 17.5V	19 ~ 22.5V	29.5 ~ 35V	34.7 ~ 41V	57.6 ~ 67.2V
	OVER TEMPERATURE	Protection type : Shut down o/p voltage, re-power on to recover						
FUNCTION	FAN CONTROL	Shut down o/p voltage, recovers automatically after temperature goes down						
	WORKING TEMP.	RTH28 400 FAN ON, 350 FAN OFF(Typ.)						
ENVIRONMENT	WORKING HUMIDITY	-20 ~ +700 (Refer to output load derating curve)						
	STORAGE TEMP., HUMIDITY	20 ~ 90% RH non-condensing						
	TEMP. COEFFICIENT	-40 ~ +850 , 10 ~ 95% RH						
	VIBRATION	± 0.03%0 (0 ~ 500)						
SAFETY & EMC (Note 4)	SAFETY STANDARDS	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes						
	WITHSTAND VOLTAGE	UL60950-1, TUV EN60950-1 approved						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 250 / 70% RH						
	EMI CONDUCTION & RADIATION	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC						
	HARMONIC CURRENT	Compliance to EN55032 (CISPR32) Class B						
OTHERS	EMS IMMUNITY	Compliance to EN61000-3-2,-3						
	MTBF	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A						
	DIMENSION	284K hrs min. MIL-HDBK-217F (250)						
OTHERS	PACKING	190*93*50mm (L*W*H)						
		0.8Kg; 18pcs/15.4Kg/1.04CUFT						

RSP-320 series

320w single output with pfc function



Features :

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- High efficiency up to 90%
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC Fan with fan speed control function
- 1U low profile 30mm
- Optional conformal coating models (RSP-320-CC)
- LED indicator for power on
- 3 years warranty



SPECIFICATION

MODEL		RSP-320-3.3	RSP-320-4	RSP-320-5	RSP-320-7.5	RSP-320-12	RSP-320-24
OUTPUT	DC VOLTAGE	3.3V	4V	5V	7.5V	12V	24V
	RATED CURRENT	60A	60A	60A	40A	26.7A	13.4A
	CURRENT RANGE	0 ~ 60A	0 ~ 60A	0 ~ 60A	0 ~ 40A	0 ~ 26.7A	0 ~ 13.4A
	RATED POWER	198W	240W	300W	300W	320.4W	321.6W
	RIPPLE & NOISE (max.) <small>Note.2</small>	100mVp-p	100mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	2.97 ~ 3.8V	3.7 ~ 4.3V	4.5 ~ 5.5V	6 ~ 9V	10 ~ 13.2V	20 ~ 26.4V
	VOLTAGE TOLERANCE <small>Note.3</small>	± 2.0%	± 2.0%	± 2.0%	± 2.0%	± 1.0%	± 1.0%
	LINE REGULATION	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.3%	± 0.2%
	LOAD REGULATION	± 1.5%	± 1.0%	± 1.0%	± 1.0%	± 0.5%	± 0.5%
	SETUP, RISE TIME	1500ms, 50ms/230VAC 3000ms, 50ms/115VAC at full load					
HOLD UP TIME (Typ.)	8ms at full load 230VAC /115VAC						
INPUT	VOLTAGE RANGE <small>Note.4</small>	88 ~ 264VAC	124 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load					
	EFFICIENCY (Typ.)	75.5%	79.5%	81%	83%	88%	88%
	AC CURRENT (Typ.)	2.7A/115VAC	1.5 A/230VAC		4A/115VAC	2A/230VAC	
	INRUSH CURRENT (Typ.)	20A/115VAC	40A/230VAC				
	LEAKAGE CURRENT	<1mA / 240VAC					
	PROTECTION	OVERLOAD	105 ~ 135% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed				
OVER VOLTAGE		2.88 ~ 3.38V	3.8 ~ 4.5V	4.5 ~ 5.3V	5.75 ~ 6.75V	9.4 ~ 10.9V	13.8 ~ 16.2V
OVER TEMPERATURE		Shut down o/p voltage, recovers automatically after temperature goes down					
WORKING TEMP.		-30 ~ +70°C (Refer to "Derating Curve")					
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT	± 0.03%/°C (0 ~ 50°C)					
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes					
SAFETY &	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 , CCC GB4943 approved					
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC					
EMC <small>(Note 5)</small>	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH					
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2, -3, GB9254 class B, GB17625.1					
	EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, light industry level, criteria A					
OTHERS	MTBF	206.5K hrs min. MIL-HDBK-217F (25°C)					
	DIMENSION	215*115*30mm (L*W*H)					
	PACKING	0.9Kg; 15pcs/14.5Kg/0.78CUFT					



HLC POWER SUPPLY

IP65-67

PAG. 20-29



HLG-40H series

40w constant voltage + constant current led driver



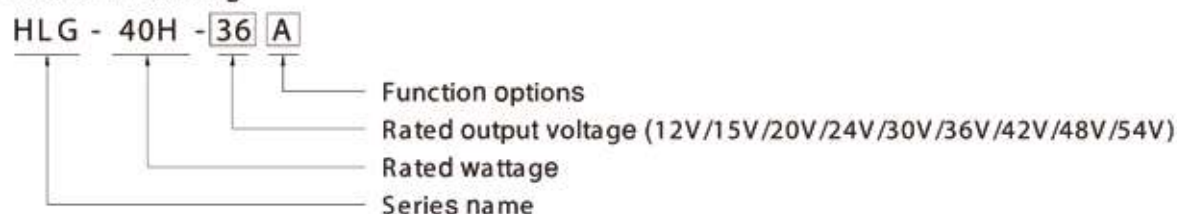
Features

- Constant Voltage + Constant Current mode output
- Metal housing with class I design
- Built-in active PFC function
- Class 2 power unit
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer;
- 3 in 1 dimming; Timer dimming
- Typical lifetime > 62000 hours
- 7 years warranty

Description

HLG-40H series is a 40W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-40H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 89.5%, with the fanless design, the entire series is able to operate for -40°C ~ +80°C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. HLG-40H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding



Applications

- LED street lighting
- LED high-bay lighting
- Parking space lighting
- LED fishing lamp
- LED greenhouse lighting

Type "HL" for use in Class I, Division 2 hazardous (Classified) location.



Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed.	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer.	In Stock
B	IP67	3 in 1 dimming function (1 ~ 10Vdc, 10V PWM signal and resistance)	In Stock
D	IP67	Timer dimming function, contact MEAN WELL for details (safety pending).	By request

HLG-60H series

60w constant voltage + constant current led driver



Features

- Constant Voltage + Constant Current mode output
- Metal housing with class I design
- Built-in active PFC function
- Class 2 power unit
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer;
- 3 in 1 dimming; Timer dimming
- Typical lifetime > 62000 hours
- 7 years warranty

Description

HLG-60H series is a 60W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-60H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 15V and 54V. Thanks to the high efficiency up to 90.5%, with the fanless design, the entire series is able to operate for -40°C ~ +80°C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. HLG-60H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding

HLG - 60H - 42 A

- Function options
- Rated output voltage (15V/20V/24V/30V/36V/42V/48V/54V)
- Rated wattage
- Series name

Applications

- LED street lighting
- LED high-bay lighting
- Parking space lighting
- LED fishing lamp
- LED greenhouse lighting

Type "HL" for use in Class I, Division 2 hazardous (Classified) location.



Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed.	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer.	In Stock
B	IP67	3 in 1 dimming function (1 ~ 10Vdc, 10V PWM signal and resistance)	In Stock
D	IP67	Timer dimming function, contact MEAN WELL for details (safety pending).	By request

HLG-80H series

80w constant voltage + constant current led driver



Features

- Constant Voltage + Constant Current mode output
- Metal housing with class I design
- Built-in active PFC function
- Class 2 power unit
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming; Timer dimming
- Typical lifetime > 62000 hours
- 7 years warranty

Description

HLG-80H series is a 80W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-80H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 91%, with the fanless design, the entire series is able to operate for -40°C ~ +80°C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. HLG-80H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding

HLG - 80H - 15 A

Function options

Rated output voltage (12V/15V/20V/24V/30V/36V/42V/48V/54V)

Rated wattage

Series name

Applications

- LED street lighting
- LED high-bay lighting
- Parking space lighting
- LED fishing lamp
- LED greenhouse lighting
- Type "HL" for use in Class I , Division 2 hazardous (Classified) location.



Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed.	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer.	In Stock
B	IP67	3 in 1 dimming function (1 ~ 10Vdc, 10V PWM signal and resistance)	In Stock
BL	IP66	B-Type with junction box. UL8750 LISTED. Contact MEAN WELL for details	By request
D	IP 67	Timer dimming function, contact MEAN WELL for details(safety pending).	By request

HLG-100H series

100w constant voltage + constant current led driver



Features

- Constant Voltage + Constant Current mode output
- Metal housing with class I design
- Built-in active PFC function
- Class 2 power unit
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming; Timer dimming
- Typical lifetime > 62000 hours
- 7 years warranty

Description

HLG-100H series is a 100W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-100H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 20V and 54V. Thanks to the high efficiency up to 93%, with the fanless design, the entire series is able to operate for -40°C ~ +80°C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. HLG-100H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding

HLG - 100H - 48 A

Function options
Rated output voltage (20V/24V/30V/36V/42V/48V/54V)
Rated wattage
Series name

Applications

- LED street lighting
- LED high-bay lighting
- Parking space lighting
- LED fishing lamp
- LED greenhouse lighting
- Type "HL" for use in Class I , Division 2 hazardous (Classified) location.



Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed.	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer.	In Stock
B	IP67	3 in 1 dimming function (1 ~ 10Vdc, 10V PWM signal and resistance)	In Stock
D	IP 67	Timer dimming function, contact MEAN WELL for details (safety pending).	By request



0362 1908106
DESIOLED@DESIOLED.IT



HLG-120H series

120w constant voltage + constant current led driver



Features

- Constant Voltage + Constant Current mode output
- Metal housing with class I design
- Built-in active PFC function
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming; Timer dimming
- Typical lifetime > 62000 hours
- 7 years warranty

Description

HLG-120H series is a 120W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-120H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 93.5%, with the fanless design, the entire series is able to operate for -40 °C ~ +80 °C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. HLG-120H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design

Model Encoding

HLG - 120H - 48 A

- Function options
- Rated output voltage (12V/15V/20V/24V/30V/36V/42V/48V/54V)
- Rated wattage
- Series name

Applications

- LED street lighting
- LED high-bay lighting
- Parking space lighting
- LED fishing lamp
- LED greenhouse lighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.



Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed.	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer.	In Stock
B	IP67	3 in 1 dimming function (1 ~ 10Vdc, 10V PWM signal and resistance)	In Stock
D	IP 67	Timer dimming function, contact MEAN WELL for details (safety pending).	By request

HLG-150H series

150w constant voltage + constant current led driver



Features

- Constant Voltage + Constant Current mode output
- Metal housing with class I design
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming
- Typical lifetime > 62000 hours
- 7 years warranty

Description

HLG-150H series is a 150W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-150H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 94%, with the fanless design, the entire series is able to operate for -40 °C ~ +90 °C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. HLG-150H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding

HLG - 150H - 15 A

- Function options
- Rated output voltage (12V/15V/20V/24V/30V/36V/42V/48V/54V)
- Rated wattage
- Series name

Applications

- LED street lighting
- LED high-bay lighting
- Parking space lighting
- LED fishing lamp
- LED greenhouse lighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.



Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed.	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer.	In Stock
B	IP67	3 in 1 dimming function (1~10Vdc, 10V PWM signal and resistance)	In Stock
D	IP67	Timer dimming function, contact MEAN WELL for details(safety pending).	By request

HLG-185H series

185w constant voltage + constant current led driver



Features

- Constant Voltage + Constant Current mode output
- Metal housing with class I design
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming
- Typical lifetime > 62000 hours
- 7 years warranty

Description

HLG-185H series is a 185W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-185H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 94%, with the fanless design, the entire series is able to operate for -40 °C ~ +90 °C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. HLG-185H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding

HLG - 185H - 24 A

- Function options
- Rated output voltage (12V/15V/20V/24V/30V/36V/42V/48V/54V)
- Rated wattage
- Series name

Applications

- LED street lighting
- LED high-bay lighting
- Parking space lighting
- LED fishing lamp
- LED greenhouse lighting
- Type "HL" for use in Class I , Division 2 hazardous (Classified) location.



Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed.	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer.	In Stock
B	IP67	3 in 1 dimming function (1 ~ 10Vdc, 10V PWM signal and resistance)	In Stock
D	IP 67	Timer dimming function, contact ME AN WELL for details(safety pending).	By request

HLG-240H series

240w constant voltage + constant current led driver



Features

- Constant Voltage + Constant Current mode output
- Metal housing with class I design
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming
- Typical lifetime > 62000 hours
- 7 years warranty

Description

HLG-240H series is a 240W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-240H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 93.5%, with the fanless design, the entire series is able to operate for -40 °C ~ +90 °C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. HLG-240H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding

HLG - 240H - 15 A

- Function options
- Rated output voltage (12V/15V/20V/24V/30V/36V/42V/48V/54V)
- Rated wattage
- Series name

Applications

- LED street lighting
- LED high-bay lighting
- Parking space lighting
- LED fishing lamp
- LED greenhouse lighting
- Type "HL" for use in Class I , Division 2 hazardous (Classified) location.



Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed.	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer.	In Stock
B	IP67	3 in 1 dimming function (1 ~ 10Vdc, 10V PWM signal and resistance)	In Stock
C	-----	Terminal block for I/O connection. Output voltage and constant current level can be adjusted through internal potentiometer.	By request
D	IP67	Timer dimming function, contact MEAN WELL for details(safety pending).	By request

HLG-320H series

320w constant voltage + constant current led driver



Features

- Constant Voltage + Constant Current mode output
- Metal housing with class I design
- Built-in active PFC function
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming
- Typical lifetime > 62000 hours
- 7 years warranty

Description

HLG-320H series is a 320W AC/DC LED driver featuring the dual mode constant voltage and constant current output. HLG-320H operates from 90 ~ 305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 94%, with the fanless design, the entire series is able to operate for -40°C ~ +90°C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. HLG-320H is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Model Encoding

HLG - 320H - 15 A



Applications

- LED street lighting
- LED high-bay lighting
- Parking space lighting
- LED fishing lamp
- LED greenhouse lighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.



Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed.	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer.	In Stock
B	IP67	3 in 1 dimming function (1 ~ 10Vdc, 10V PWM signal and resistance)	In Stock
C	-----	Terminal block for I/O connection. Output voltage and constant current level can be adjusted through internal potentiometer.	By request
D	IP67	Timer dimming function, contact MEAN WELL for details(safety pending).	By request



ELG POWER SUPPLY

IP65-67

PAG. 30-35



ELG-75 series

48 - 75w constant voltage + constant current led driver



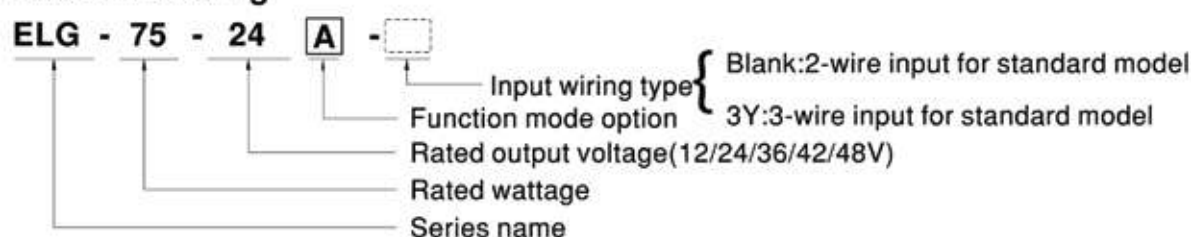
Features

- Constant Voltage + Constant Current mode output
- Metal housing design with functional Ground
- Built-in active PFC function
- Class 2 power unit
- No load / Standby power consumption <0.5W
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming (dim-to-off); Smart timer dimming; DALI
- Typical lifetime>50000 hours
- 5 years warranty

Description

ELG-75 series is a 75W AC/DC LED driver featuring the dual mode constant voltage and constant current output. ELG-75 operates from 100~305VAC and offers models with different rated voltage ranging between 12V and 48V. Thanks to the high efficiency up to 90%, with the fanless design, the entire series is able to operate for -40℃ ~ +85℃ case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. ELG-75 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system

Model Encoding



Applications

- LED street lighting
- LED architectural lighting
- LED bay lighting
- LED floodlighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.



Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed.	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer.	In Stock
B	IP67	3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	By request
DA	IP67	DALI control technology.	In Stock
Dx	IP67	Built-in Smart timer dimming function by user request.	By request
D2	IP67	Built-in Smart timer dimming and programmable function.	In Stock

ELG-100 series

70 -100w constant voltage + constant current led driver



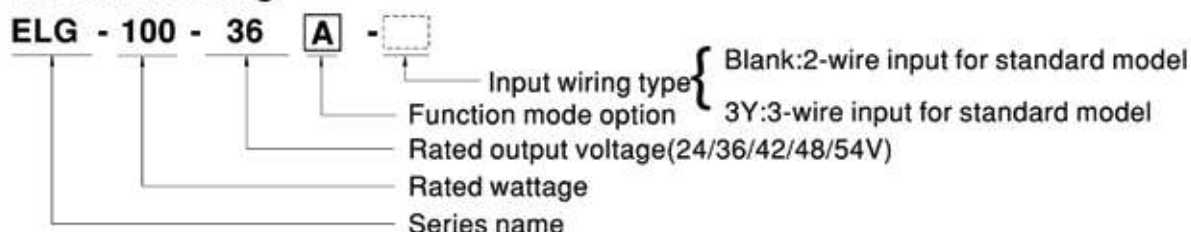
Features

- Constant Voltage + Constant Current mode output
- Metal housing design with functional Ground
- Built-in active PFC function
- Class 2 power unit
- No load / Standby power consumption <0.5W
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming (dim-to-off); Smart timer dimming; DALI
- Typical lifetime>50000 hours
- 5 years warranty

Description

ELG-100 series is a 100W AC/DC LED driver featuring the dual mode constant voltage and constant current output. ELG-100 operates from 100~360VAC and offers models with different rated voltage ranging between 24V and 54V. Thanks to the high efficiency up to 91%, with the fanless design, the entire series is able to operate for -40℃ ~ +90℃ case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. ELG-100 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system

Model Encoding



Applications

- LED street lighting
- LED architectural lighting
- LED bay lighting
- LED floodlighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.



Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed.	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer.	In Stock
B	IP67	3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	By request
DA	IP67	DALI control technology.	In Stock
Dx	IP67	Built-in Smart timer dimming function by user request.	By request
D2	IP67	Built-in Smart timer dimming and programmable function.	In Stock

ELG-150 series

84-150w constant voltage + constant current led driver



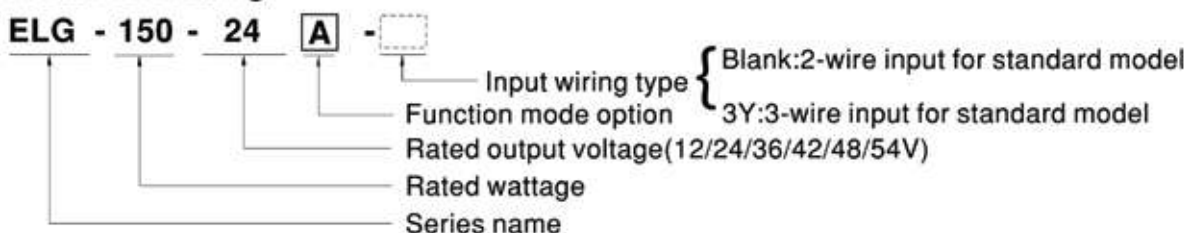
Features

- Constant Voltage + Constant Current mode output
- Metal housing design with functional Ground
- Built-in active PFC function
- No load / Standby power consumption <0.5W
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming (dim-to-off); Smart timer dimming; DALI; Auxiliary DC output
- Typical lifetime>50000 hours
- 5 years warranty

Description

ELG-150 series is a 150W AC/DC LED driver featuring the dual mode constant voltage and constant current output. ELG-150 operates from 100~305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 91%, with the fanless design, the entire series is able to operate for -40°C ~ +90°C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. ELG-150 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system

Model Encoding



Applications

- LED street lighting
- LED architectural lighting
- LED bay lighting
- LED floodlighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.



Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed.	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer.	In Stock
B	IP67	3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	By request
DA	IP67	DALI control technology.	In Stock
Dx	IP67	Built-in Smart timer dimming function by user request.	By request
D2	IP67	Built-in Smart timer dimming and programmable function.	In Stock
BE	IP67	3 in 1 dimming function and Auxiliary DC output	By request

ELG-200 series

144-200w constant voltage + constant current led driver



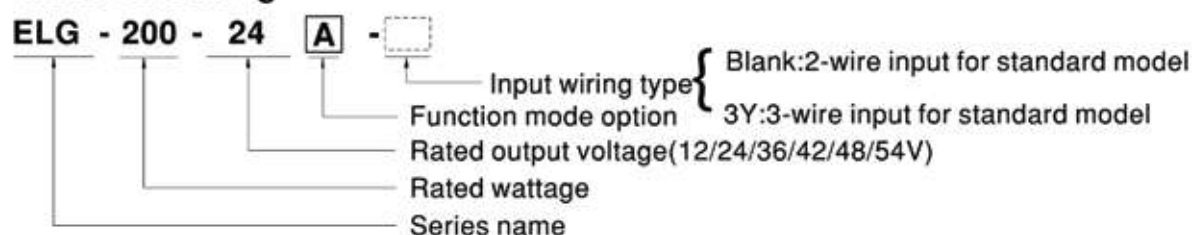
Features

- Constant Voltage + Constant Current mode output
- Metal housing design with functional Ground
- Built-in active PFC function
- No load / Standby power consumption <0.5W
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming (dim-to-off); Smart timer dimming; DALI
- Typical lifetime >50000 hours
- 5 years warranty

Description

ELG-200 series is a 200W AC/DC LED driver featuring the dual mode constant voltage and constant current output. ELG-200 operates from 100~305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 93%, with the fanless design, the entire series is able to operate for -40°C ~ +90°C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. ELG-200 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system

Model Encoding



Applications

- LED street lighting
- LED architectural lighting
- LED bay lighting
- LED floodlighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.



Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed.	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer.	In Stock
B	IP67	3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	By request
DA	IP67	DALI control technology.	In Stock
Dx	IP67	Built-in Smart timer dimming function by user request.	By request
D2	IP67	Built-in Smart timer dimming and programmable function.	In Stock

ELG-240 series

180-240w constant voltage + constant current led driver



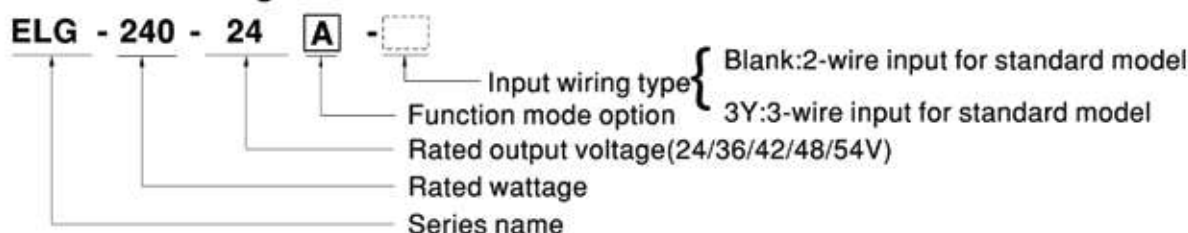
Features

- Constant Voltage + Constant Current mode output
- Metal housing design with functional Ground
- Built-in active PFC function
- No load / Standby power consumption <0.5W
- IP67 / IP65 rating for indoor or outdoor installations
- Function options: output adjustable via potentiometer; 3 in 1 dimming (dim-to-off); Smart timer dimming; DALI
- Typical lifetime >50000 hours
- 5 years warranty

Description

ELG-240 series is a 240W AC/DC LED driver featuring the dual mode constant voltage and constant current output. ELG-240 operates from 100~305VAC and offers models with different rated voltage ranging between 24V and 54V. Thanks to the high efficiency up to 93%, with the fanless design, the entire series is able to operate for -40°C ~ +90°C case temperature under free air convection. The design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. ELG-240 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system

Model Encoding



Applications

- LED street lighting
- LED architectural lighting
- LED bay lighting
- LED floodlighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.

Type	IP Level	Function	Note
Blank	IP67	Io and Vo fixed.	In Stock
A	IP65	Io and Vo adjustable through built-in potentiometer.	In Stock
B	IP67	3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
AB	IP65	Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	By request
DA	IP67	DALI control technology.	In Stock
Dx	IP67	Built-in Smart timer dimming function by user request.	By request
D2	IP67	Built-in Smart timer dimming and programmable function.	In Stock



SNAPPY POWER SUPPLY

PAG. 36-46



Super slim LED power supply



- Rated Input voltage: 200-240 VAC
- Input frequency: 50Hz
- Output power: 15W
- Body: PC
- Open circuits, short circuits, over load
- Over heat protection
- Safety according to EN61347-1, EN61347-2-13
- EMI according to EN55015
- EMS according to EN61000-3-2, EN61000-3-3, EN61547
- EMF according to EN62493-2010
- ERP according to EN1194-2012

Driver LED in tensione costante a 15W con range di tensione in entrata di 200-240Vac.



Rated input voltage: AC200-240V 50Hz (power factor measured at AC230V and full load)

Model	Constant output voltage	Load	Max output current	PF	Ta	Tc	LxWxH
SNP15-12VF-1	12V	C-15W	1.25A	≥ 0.5	45°C	80°C	103x35x16
SNP15-24VF-1	24V	C-15W	0.625A	≥ 0.5	45°C	80°C	103x35x16



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SNP20-VF-E

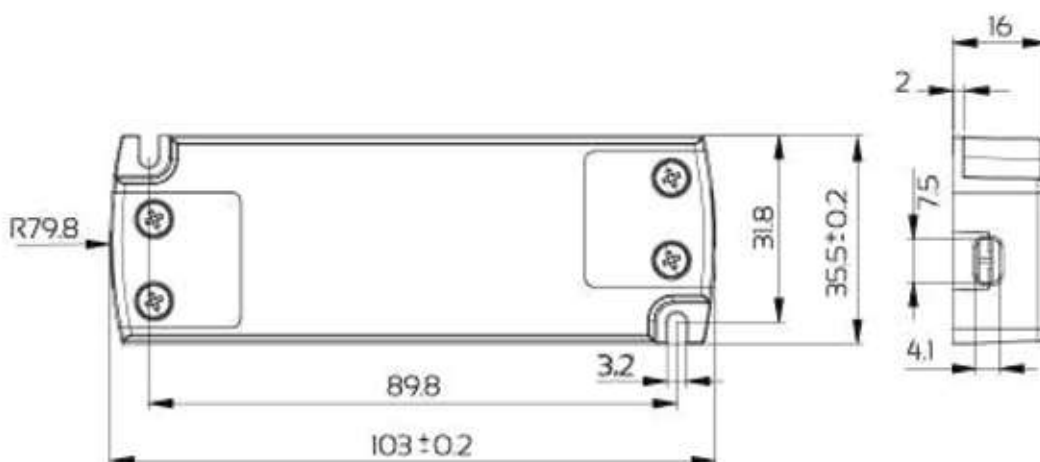
Super slim LED power supply



Features

- Rated Input voltage: 200-240 VAC
- Input frequency: 50/60Hz
- Output power: 20W
- Body: PC
- Open circuits, short circuits, over load
- Over heat protection
- Safety according to EN61347-1, EN61347-2-13
- EMI according to EN55015
- EMS according to EN61000-3-2, EN61000-3-3, EN61547
- EMF according to EN62493-2010
- ERP according to EN1194-2012

Driver LED in tensione costante a 20W con range di tensione in entrata di 200-240Vac.



Rated input voltage: AC200-240V 50/60Hz (power factor measured ad AC230V and full load)

Model	Constant output voltage	Load	Max output current	PF	Ta	Tc	LxWxH
SNP20-12VF-E	12V	0-20W	1.67A	≥ 0.5	45°C	80°C	103x35x16
SNP20-24VF-E	24V	0-20W	0.84A	≥ 0.5	45°C	80°C	103x35x16



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SNP30-VF-3

Super slim LED power supply

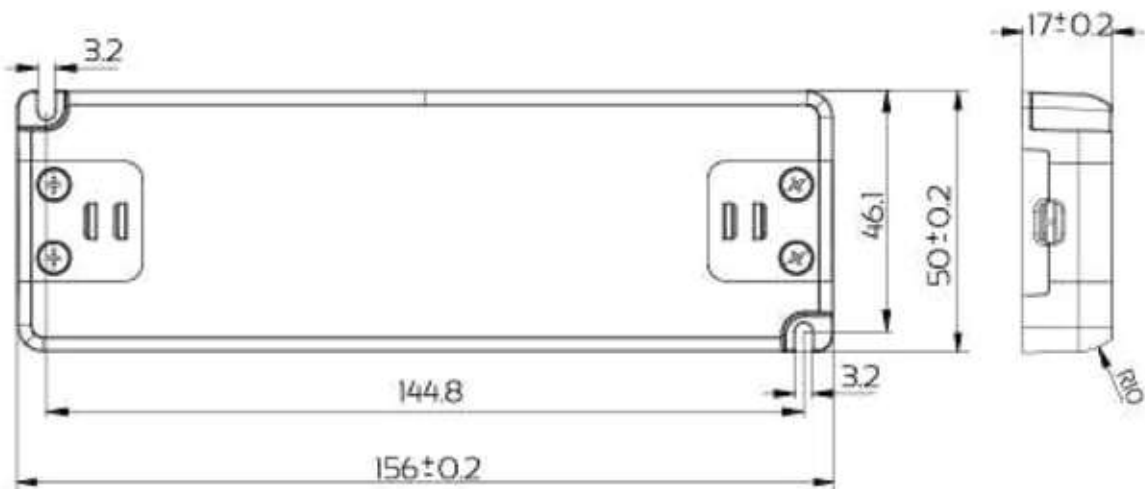


Features

- Rated Input voltage: 200-240 VAC
- Input frequency: 50/60Hz
- Body: PC
- Open circuits, short circuits, over load
- Over heat protection
- Safety according to EN61347-1, EN61347-2-13
- EMI according to EN55015
- EMS according to EN61000-3-2, EN61000-3-3, EN61547
- EMF according to EN62493-2010
- ERP according to EN1194-2012

Output power: 30W

Driver LED in tensione costante a 30W con range di tensione in entrata di 200-240Vac.



Rated input voltage: AC200-240V 50/60Hz (power factor measured at AC230V and full load)

Model	Constant output voltage	Load	Max output current	PF	Ta	Tc	LxWxH
SNP30-12VF-3	12V	0-30W	2.5A	≥ 0.9	45°C	85°C	156x50x17
SNP30-24VF-3	24V	0-30W	1.25A	≥ 0.9	45°C	85°C	156x50x17



SNP50-VF-1

Super slim LED power supply

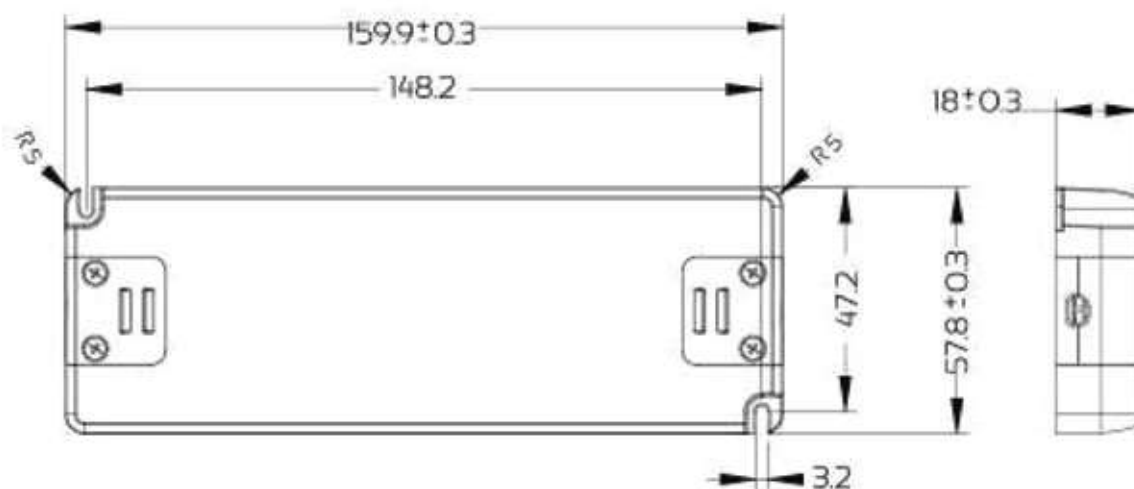


Features

- Rated Input voltage: 200-240 VAC
- Input frequency: 50/60Hz
- Body: PC
- Open circuits, short circuits, over load
- Over heat protection
- Safety according to EN61347-1, EN61347-2-13
- EMI according to EN55015
- EMS according to EN61000-3-2, EN61000-3-3, EN61547
- EMF according to EN62493-2010
- ERP according to EN1194-2012

Output power: 50W

Driver LED in tensione costante a 50W con range di tensione in entrata di 200-240Vac.



Rated input voltage: AC200-240V 50/60Hz (power factor measured ad AC230V and full load)

Model	Constant output voltage	Load	Max output current	PF	Ta	Tc	LxWxH
SNP50-12VF-1	12V	0-50W	4.16A	≥ 0.5	45°C	80°C	159.9x57.8x18
SNP50-24VF-1	24V	0-50W	2.08A	≥ 0.5	45°C	80°C	159.9x57.8x18



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SNP75-VL-E

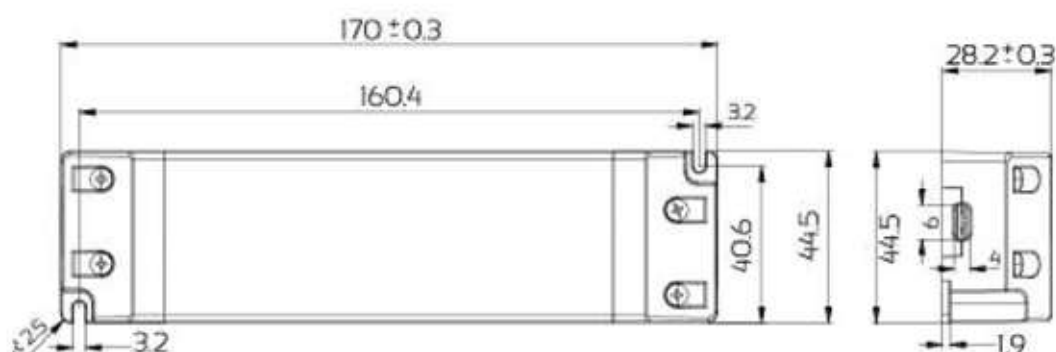
Super slim LED power supply



Features

- Rated Input voltage: 200-240 VAC
- Input frequency: 50/60Hz
- Output power: 75W
- Body: PC
- Open circuits, short circuits, over load
- Over heat protection
- Safety according to EN61347-1, EN61347-2-13
- EMI according to EN55015
- EMS according to EN61000-3-2, EN61000-3-2, EN61547
- EMF according to EN62493-2010
- ERP according to EN1194-2012

Driver LED in tensione costante a 75W con range di tensione in entrata di 200-240Vac.



Rated input voltage: AC200-240V 50/60Hz (power factor measured ad AC230V and full load)

Model	Constant output voltage	Load	Max output current	PF	Ta	Tc	LxWxH
SNP75-12VL-E	12V	0-70W	5.83A	≥ 0.9	45°C	85°C	170x44x28.2
SNP75-24VL-E	24V	0-75W	3.13A	≥ 0.9	45°C	85°C	170x44x28.2



SNP100-VL-E

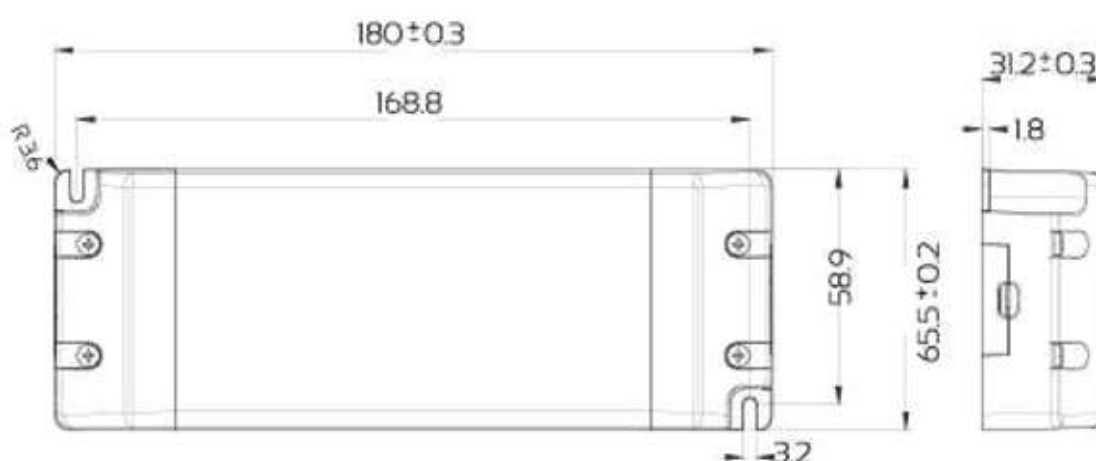
Super slim LED power supply



Features

- Rated Input voltage: 200-240 VAC
- Input frequency: 50/60Hz
- Output power: 100W
- Body: PC
- Open circuits, short circuits, over load
- Over heat protection
- Safety according to EN61347-1, EN61347-2-13
- EMI according to EN55015
- EMS according to EN61000-3-2, EN61000-3-2, EN61547
- EMF according to EN62493-2010
- ERP according to EN1194-2012

Driver LED in tensione costante a 100W con range di tensione in entrata di 200-240Vac.



Rated input voltage: AC200-240V 50/60Hz (power factor measured ad AC230V and full load)

Model	Constant output voltage	Load	Max output current	PF	Ta	Tc	LxWxH
SNP100-12VL-E	12V	0-100W	8.33A	≥ 0.9	45°C	80°C	180x65.5x31.2
SNP100-24VL-E	24V	0-100W	4.16A	≥ 0.9	45°C	80°C	180x65.5x31.2



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DESIO LED

SE100-VL

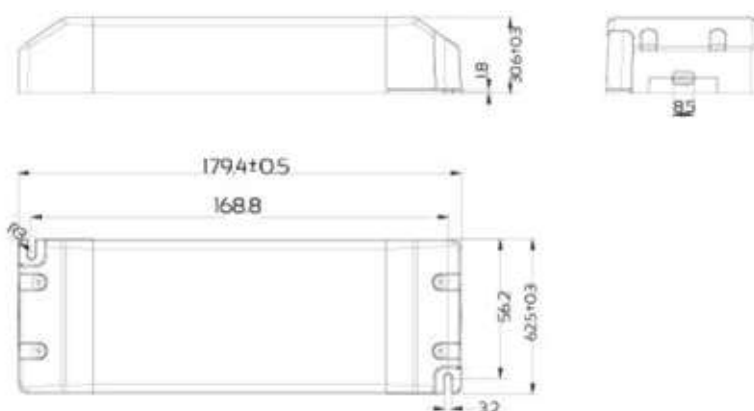
Super slim LED power supply



Features

- Rated Input voltage: 220-240 VAC
- Input frequency: 50/60Hz
- Output power: 100W
- Body: PC
- Open circuits, short circuits, over load
- Over heat protection
- Safety according to EN61347-1, EN61347-2-13
- EMI according to EN55015
- EMS according to EN61000-3-2, EN61000-3-3, EN61547
- EMF according to EN62493-2010
- ERP according to EN1194-2012

Driver LED in tensione costante a 100W con range di tensione in entrata di 200-240Vac.



Rated input voltage: AC200-240V 50/60Hz (power factor measured at AC230V and full load)

Model	Constant output voltage	Load	Max output current	PF	Ta	Tc	LxWxH
SE100-24VL	24V	0-100W	8A	≥ 0.9	45°C	90°C	179.4x62.5x30.6

SELV



SNP30-VF-2

Super slim LED power supply

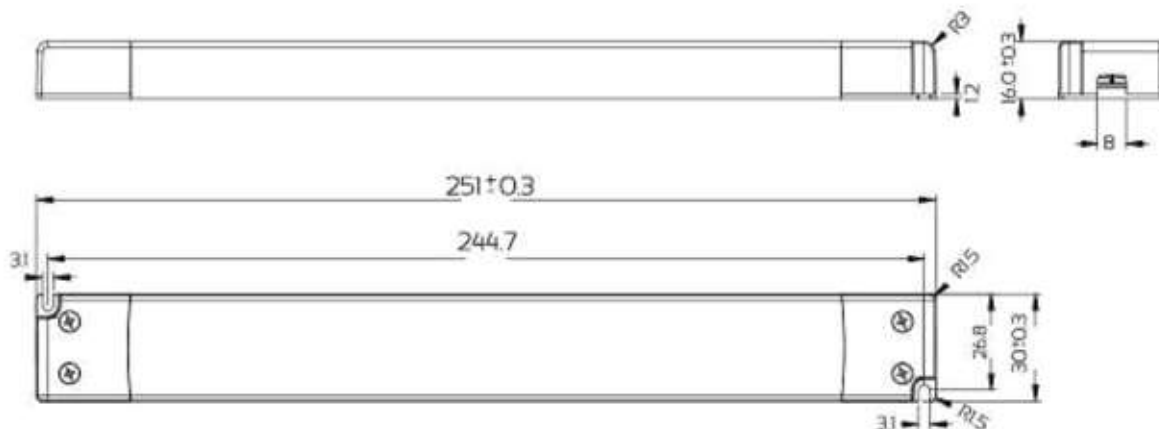


Features

- Rated Input voltage: 200-240 VAC
- Input frequency: 50/60Hz
- Body: PC
- Open circuits, short circuits, over load
- Over heat protection
- Safety according to EN61347-1, EN61347-2-13
- EMI according to EN55015
- EMS according to EN61000-3-2, EN61000-3-3, EN61547
- EMF according to EN62493-2010
- ERP according to EN1194-2012

Output power: 30W

Driver LED in tensione costante a 30W con range di tensione in entrata di 200-240Vac.



Rated input voltage: AC200-240V 50/60Hz (power factor measured ad AC230V and full load)

Model	Constant output voltage	Load	Max output current	PF	Ta	Tc	LxWxH
SNP30-12VF-2	12V	0-30W	2.5A	≥ 0.9	45°C	80°C	251x30x16
SNP30-24VF-2	24V	0-30W	1.25A	≥ 0.9	45°C	80°C	251x30x16

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DESIO LED

SNP150-VF-1

Super slim LED power supply



Features

- Rated Input voltage: 200-240 VAC
- Input frequency: 50/60Hz
- Body: PC
- Open circuits, short circuits, over load
- Over heat protection
- Safety according to EN61347-1, EN61347-2-13
- EMI according to EN55015
- EMS according to EN61000-3-2, EN61000-3-2, EN61547
- EMF according to EN62493-2010
- ERP according to EN1194-2012

Output power: 150W

Driver LED in tensione costante a 150W con range di tensione in entrata di 200-240Vac.



Rated input voltage: AC200-240V 50/60Hz (power factor measured ad AC230V and full load)

Model	Constant output voltage	Load	Max output current	PF	Ta	Tc	LxWxH
SNP150-12VF-1	12V	0-132W	11.0A	≥ 0.95	45°C	90°C	322.6x30.1x21.5
SNP150-24VF-1	24V	0-132W	6.25A	≥ 0.95	45°C	90°C	322.6x30.1x21.5



SNP200-VF-1

Super slim LED power supply



Features

- Rated Input voltage: 200-240 VAC
- Input frequency: 50/60Hz
- Output power: 200W
- Body: PC
- Open circuits, short circuits, over load
- Over heat protection
- Safety according to EN61347-1, EN61347-2-13
- EMI according to EN55015
- EMS according to EN61000-3-2, EN61000-3-3, EN61547
- EMF according to EN62493-2010
- ERP according to EN1194-2012

Driver LED in tensione costante a 200W con range di tensione in entrata di 200-240Vac.



Rated input voltage: AC200-240V 50/60Hz (power factor measured ad AC230V and full load)

Model	Constant output voltage	Load	Max output current	PF	Ta	Tc	LxWxH
SNP200-12VF-1	12V	0-180W	15A	≥ 0.95	45°C	85°C	356.4x32.1x22.3
SNP200-24VF-1	24V	0-200W	8.33A	≥ 0.95	45°C	85°C	356.4x32.1x22.3

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DESIO LED

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PAG. 47-50



CV - MM SERIES 20 - 30W

Constant voltage LED driver

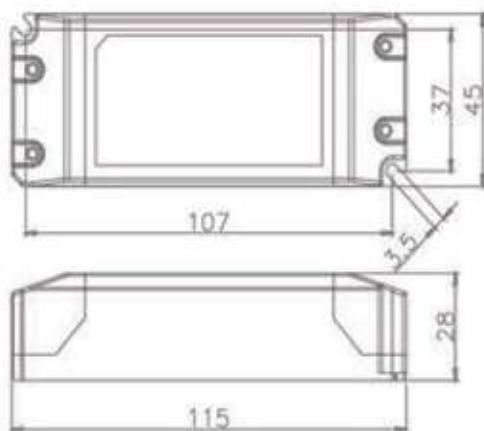


Features

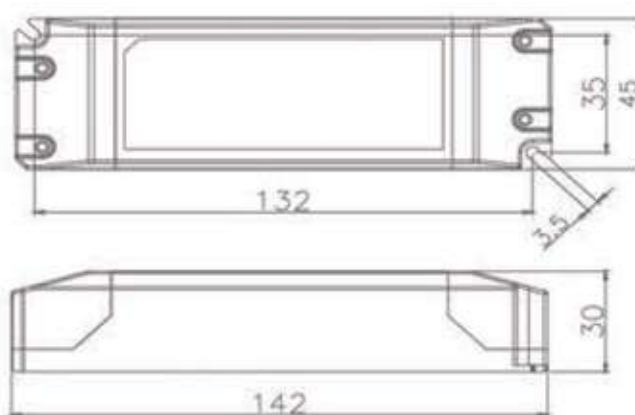
- Installation: Independent
- Class II isolated
- Protection: SCP/OLP/OVP
- Typical applications: LED strip, pendant light
- Warranty: 5 years



old model number	new model number	length width height	output	typical efficiency	no-load power consumption	inrush current	ta,tc	certification
EIP020V0120LSS	LS-20-12 SI	115*45*28	20W/12V/1.67A	≥ 82%	≤ 0.3W	20A	45°C/85°C 80°C	KEMA
EIP020V0120LSS	LS-20-24 SI		20W/24V/0.83A	≥ 85%				
LS-30-12 LI	LS-30-12 LI	142*45*30	30W/12V/2.5A	≥ 87%	≤ 0.5W	20A	45°C/80°C	TUV
LS-30-24 LI	LS-30-24 LI		30W/24V/1.25A					



EIP020VXXXXLSS



LS-30-XX LI

Ac input voltage range	220-240VAC 50/60Hz
Start-up time	<0.5s
Hold-up time	1s max
Withstand Voltage	Input-Output 3750V/5mA/1min
Safety standards	EN61347-1, EN61347-2-13
EMC standards	EN55015, EN61000-3-2, EN61000-3-3, EN61547



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CV - US SERIES 60 - 100W

Constant voltage LED driver

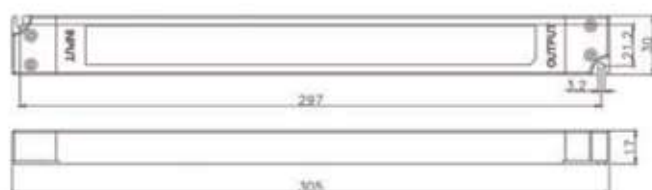


Features

- Installation: Independent
- Class II isolated
- Protection: SCP/OLP/OVP/OTP
- Typical applications: LED strip, kitchen light, bathroom light
- Warranty: 5 years
- Flicker free (15W/60W/100W)



old model number	new model number	length width height	output	typical efficiency	no-load power consumption	inrush current	ta,tc	certification
US-60-12 LI US-60-24 LI	US-60-12 LI US-60-24 LI	305*30*17	60W/12V/5A 60W/24V/2.5A	≥ 84%	≤ 0.5W	20A	45°C/90°C	TUV
US-100-12 LI US-100-24 LI	US-100-12 LI US-100-24 LI	320*30*18.3	100W/12V/8.33A 100W/24V/4.17A	≥ 87%	≤ 0.5W	60A	45°C/85°C	TUV



US-60-XX LI



US-100-XX LI

Ac input voltage range	220-240VAC 50/60Hz/200-240VAC
Start-up time	<0.5S
Hold-up time	1s max
Withstand Voltage	Input-Output 3750V/5mA/1min
Safety standards	EN61347-1,EN61347-2-13
EMC standards	EN55015,EN61000-3-2,EN61000-3-3,EN61547

CV - US SERIES 60 - 120W

Constant voltage LED driver

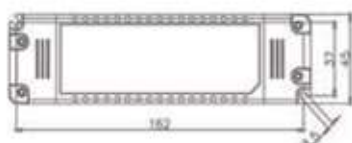


Features

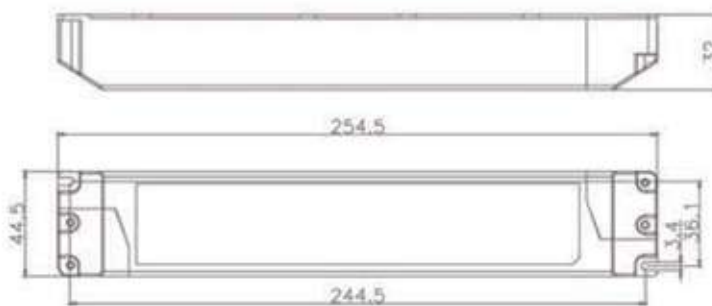
- Installation: Independent
- Class II isolated
- Protection: SCP/OLP/OVP
- Typical applications: pendant light, LED strip
- Warranty: 5 years



old model number	new model number	length width height	output	typical efficiency	no-load power consumption	inrush current	ta,tc	certification
LS-60-12 LI	LS-60-24 LI	170*45*30	60W/12V/5A 60W/24V/2.5A	≥ 85% ≥ 87%	≤ 0.5W	45A	45°C/85°C 90°C	TUV
LS-120-12 LI	LS-120-24 LI	254.5*44.5*32	120W/12V/10A 120W/24V/5A	≥ 87% ≥ 90%	≤ 0.5W	70A 65A	40°C/90°C	TUV



LS-60-XX LI

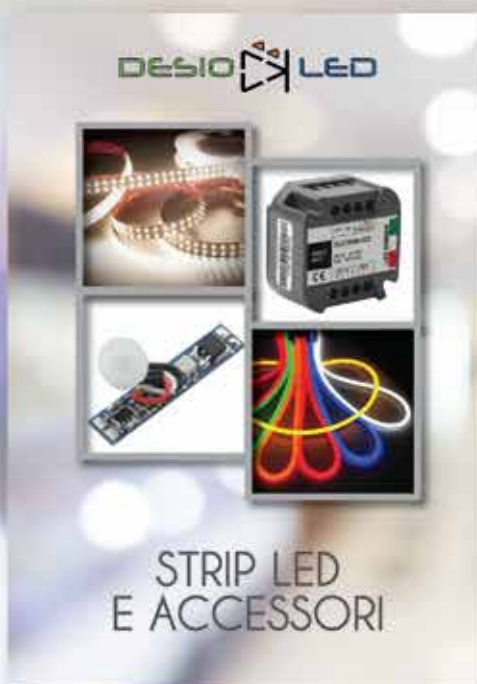
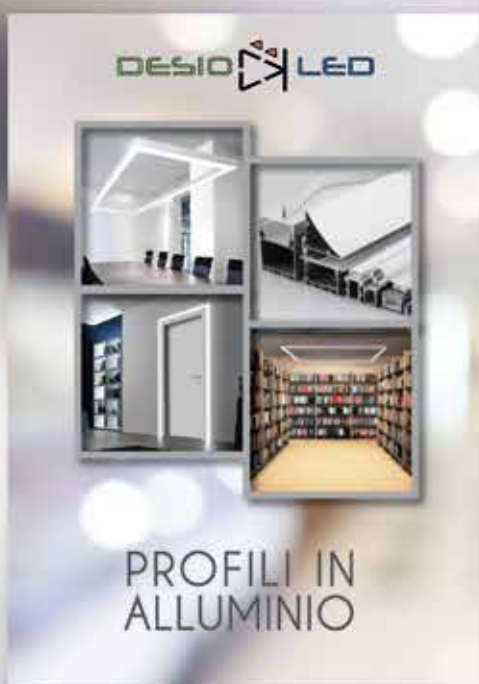


LS-120-XX LI
LS-150-XX LI

Ac input voltage range	220-240VAC 50/60Hz
Start-up time	<0.5s
Hold-up time	1s max
Withstand Voltage	Input-Output 3750V/5mA/1min
Safety standards	EN61347-1, EN61347-2-13
EMC standards	EN55015, EN61000-3-2, EN61000-3-3, EN61547

DESIO LED

SCOPRI ANCHE ...



DESIOLED S.R.L.
SEDE LEGALE: C.so Italia, 78 Desio (MB) 20832
SEDE OPERATIVA: Via Milano, 152 Desio (MB) 20832
tel. 0362 1908106
desioled@desioled.it - amministrazione@desioled.it
P.IVA/CF. 07893640966