

Meanwell Power 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 upto 70 C
- ▶ Protections:Short circuit / Overload / Over voltage
- ▶ 100% full load bern-in test
- ▶ Cooling by free air convection
- ▶ Compliance to IEC/EN 60335-1(PD3) and IEC/EN61558-1
- ▶ Operating altitude up to 5000 meters
- ▶ Withstand 5G vibration test
- ▶ High efficiency, long life and high reliability
- ▶ LED indicator for power on
- ▶ 3 years warranty



Presentation

LRS-35 series is a 35W single-output enclosed type power supply with 30mm of low profile design. Adopting the full range 85-264VAC input, the entire series provides an output voltage line of 12V,24V,48V.

In addition to the high efficiency up to 89%, the design of metallic mesh case enhances the heat dissipation of LRS-35 that the whole series operates from -30 C through 70 C under air convection without a fan. Delivering an extremely low no load power consumption (less than 0.2W), it allows the end system to easily meet the worldwide energy requirement. LRS-35 has the complete protection functions and 5G anti-vibration capability; it's complied with the international safety regulations such as TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943. LRS-35 series serves as a high price -to-performance power supply solution for various industrial applications.

Parameter



Item No	LRS-35-12	LRS-35-24	LRS-35-48
OUTPUT	12V,0~3A	24V,0~1.5A	48V,0~0.8A
CURRENT RANGE	±1.0%	±1.0%	±1.0%
RIPPLE & NOISE (max.)	120mVp-p	150mVp-p	200mVp-p
EFFICIENCY (Typ.)	86%	88%	89%
VOLTAGE RANGE	85~264VAC 120~373VDC		
FREQUENCY RANGE	47~63Hz		
INRUSH CURRENT (Typ.)	COLD START 45A/230VAC		
OVER LOAD	110~150% rated output power, Protection type : Hiccup mode, recovers automatically after fault condition is removed		
OVER VOLTAGE	13.8-16.2V	28.8-33.6V	55.2-64.8V
SETUP, RISE TIME	1000ms,30ms/230VAC 2000ms,30ms/115VAC at full load		
WORKING TEMP.	-30~+70 C		
WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC	I/P-FG:2KVAC	O/P-FG:1.25KVAC
SAFETY STANDARDS	UL60750-1,TUV EN60950-1,EN60335-1,EN61558-1/-2-16,CCC GB4943 approved		
EMC EMISSION	Compliance to EN55022(CISPR22),GB9254 Class B,EN55014 EN61000-3-2,-3		
EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11,EN61000-6-2(EN50082-2)		
DIMENSION	99*82*30mm(L*W*H)		
PACKING	0.23Kg;60pcs/14.8Kg/0.88CUFT		

Meanwell Power 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 upto 70 C
- ▶ Protections:Short circuit / Overload / Over voltage
- ▶ 100% full load burn-in test
- ▶ Cooling by free air convection
- ▶ Compliance to IEC/EN 60335-1(PD3) and IEC/EN61558-1
- ▶ Operating altitude up to 5000 meters
- ▶ Withstand 5G vibration test
- ▶ High efficiency, long life and high reliability
- ▶ LED indicator for power on
- ▶ 3 years warranty



Presentation

LRS-50 series is a 50W single-outout enclosed type power supply with 30mm of low profile design. Adopting the full range 85-264VAC inpt,the entire series provides an output voltage line of 12V,24V,48V. In addition to the high efficiency up to 90%,the design of metallic mesh case enhances the heat dissipation of LRS-50 that the ehole series operates from -30 C through 70 C under air convection without a fan. Delivering an extremely low no load power consumption (less than 0.2W), it allows the end system to easily meet the worldwide energy requirement. LRS-50 has the complete protection functions and 5G anti-vibration capability; itis complied with the international safety regulations such as TUV EN60950-1, EN60335-1, EN61558-1/-2-16,UL60950-1 and GB4943.LRS-50 series serves as a high price -to-performance power supply solution for various industrial applications.

Parameter



Item No	LRS-50-12	LRS-50-24	LRS-50-48
OUTPUT	12V,0~4.2A	24V,0~2.2A	48V,0~1.1A
CURRENT RANGE	±1.0%	±1.0%	±1.0%
RIPPLE & NOISE (max.)	120mVp-p	150mVp-p	200mVp-p
EFFICIENCY (Typ.)	86%	88%	90%
VOLTAGE RANGE	85~264VAC	120~373VDC	
FREQUENCY RANGE	47~63Hz		
INRUSH CURRENT (Typ.)	COLD START 45A/230VAC		
OVER LOAD	110~150% rated output power, Protection type : Hiccup mode, recovers automatically after fault condition is removed		
OVER VOLTAGE	13.8-16.2V	28.8-33.6V	55.2-64.8V
SETUP, RISE TIME	1000ms,30ms/230VAC	2000ms,30ms/115VAC at full load	
WORKING TEMP.	-30~+70°C		
WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC	I/P-FG:2KVAC	O/P-FG:1.25KVAC
SAFETY STANDARDS	UL60750-1,TUV EN60950-1,EN60335-1,EN61558-1/-2-16,CCC GB4943 approved		
EMC EMISSION	Compliance to EN55022(CISPR22),GB9254 Class B,EN55014 EN61000-3-2,-3		
EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11,EN61000-6-2(EN50082-2)		
DIMENSION	99*82*30mm(L*W*H)		
PACKING	0.23Kg;60pcs/14.8Kg/0.88CUFT		

Meanwell Power Series

75W Single Output Switching Power Supply

Features

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



Presentation

LRS-75 series is a 75W single-outout enclosed type power supply with 30mm of low profile design. Adopting the full range 85-264VAC inpt,the entire series provides an output voltage line of 12V,24V,48V. In addition to the high efficiency up to 91.5%,the design of metallic mesh case enhances the heat dissipation of LRS-75 that the ehole series operates from -30 C through 70 C under air convection without a fan. Delivering an extremely low no load power consumption (less than 0.2W), it allows the end system to easily meet the worldwide energy requirement. LRS-75 has the complete protection functions and 5G anti-vibration capability; LRS-75 series serves as a high price -to-performance power supply solution for various industrial applications.

Parameter



Item No	LRS-75-12	LRS-75-24	LRS-75-48
OUTPUT	12V,0~6A	24V,0~3.2A	48V,0~1.6A
CURRENT RANGE	±1.0%	±1.0%	±1.0%
RIPPLE & NOISE (max.)	120mVp-p	150mVp-p	200mVp-p
EFFICIENCY (Typ.)	89%	90%	91.5%
VOLTAGE RANGE	85~264VAC	120~373VDC	
FREQUENCY RANGE			
INRUSH CURRENT (Typ.)	COLD START 45A/230VAC		
OVER LOAD	110~150% rated output power, Protection type : Hiccup mode, recovers automatically after fault condition is removed		
OVER VOLTAGE	13.8-16.2V	28.8-33.6V	55.2-64.8V
SETUP, RISE TIME	500ms,30ms/230VAC	500ms,30ms/115VAC at full load	
WORKING TEMP.	-30~+70°C		
WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC	I/P-FG:2KVAC	O/P-FG:1.25KVAC
SAFETY STANDARDS	UL60750-1,TUV EN60950-1,EN60335-1,EN61558-1/-2-16,CCC GB4943 approved		
EMC EMISSION	Compliance to EN55022(CISPR22),GB9254 Class B,EN55014 EN61000-3-2,-3		
EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11,EN61000-6-2(EN50082-2)		
DIMENSION	99*97*30mm(L*W*H)		
PACKING	0.3Kg;45pcs/14.5Kg/0.77CUFT		



Meanwell Power Series

100W 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 upto 70 °C
- ▶ Protections: Short circuit / Overload / Over voltage
- ▶ 100% full load burn-in test
- ▶ Cooling by free air convection
- ▶ Compliance to IEC/EN 60335-1(PD3) and IEC/EN61558-1
- ▶ Operating altitude up to 5000 meters
- ▶ Withstand 5G vibration test
- ▶ High efficiency, long life and high reliability
- ▶ LED indicator for power on
- ▶ 3 years warranty



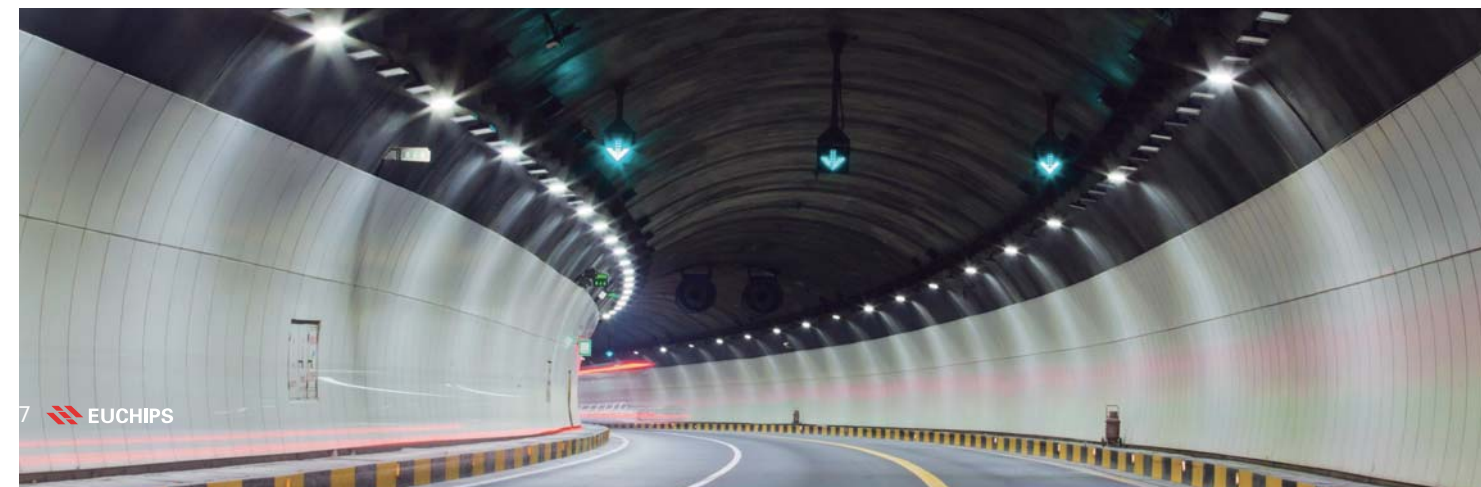
Presentation

LRS-100 series is a 100W single-output enclosed type power supply with 30mm of low profile design. Adopting the full range 85-264VAC input, the entire series provides an output voltage line of 12V, 24V, 48V. In addition to the high efficiency up to 91%, the design of metallic mesh case enhances the heat dissipation of LRS-100 that the whole series operates from -30 °C through 70 °C under air convection without a fan. Delivering an extremely low no load power consumption (less than 0.3W), it allows the end system to easily meet the worldwide energy requirement. LRS-100 has the complete protection functions and 5G anti-vibration capability; LRS-100 series serves as a high price -to-performance power supply solution for various industrial applications.

Parameter



Item No	LRS-100-12	LRS-100-24	LRS-100-48
OUTPUT	12V,0~8.5A	24V,0~4.5A	48V,0~2.3A
CURRENT RANGE	±1.0%	±1.0%	±1.0%
RIPPLE & NOISE (max.)	120mVp-p	150mVp-p	200mVp-p
EFFICIENCY (Typ.)	88%	90%	91%
VOLTAGE RANGE	85~264VAC 120~373VDC		
FREQUENCY RANGE	47~63Hz		
INRUSH CURRENT (Typ.)	COLD START 50A/230VAC		
OVER LOAD	110~150% rated output power, Protection type : Hiccup mode, recovers automatically after fault condition is removed		
OVER VOLTAGE	13.8-16.2V	28.8-33.6V	55.2-64.8V
SETUP, RISE TIME	500ms,30ms/230VAC 500ms,30ms/115VAC at full load		
WORKING TEMP.	-30~+70°C		
WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC	I/P-FG:2KVAC	O/P-FG:1.25KVAC
SAFETY STANDARDS	UL60750-1,TUV EN60950-1,EN60335-1,EN61558-1/-2-16,CCC GB4943 approved		
EMC EMISSION	Compliance to EN55022(CISPR22),GB9254 Class B,EN55014 EN61000-3-2,-3		
EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11,EN61000-6-2(EN50082-2)		
DIMENSION	129*97*30mm(L*W*H)		
PACKING	0.34Kg;40pcs/14.6Kg/0.92CUFT		



Meanwell Power 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 <0.2W
- ▶ Miniature size and 1U low profile
- ▶ High operating temperature upto 70 °C
- ▶ Protections: Short circuit / Overload / Over voltage
- ▶ Cooling by free air convection
- ▶ Compliance to IEC/EN 60335-1(PD3) and IEC/EN61558-1
- ▶ Operating altitude up to 5000 meters
- ▶ Withstand 5G vibration test
- ▶ High efficiency, long life and high reliability
- ▶ LED indicator for power on
- ▶ 100% full load burn-in test
- ▶ 3 years warranty



Presentation

LRS-150 series is a 150W single-output enclosed type power supply with 30mm of low profile design. Adopting the full range 115-230VAC input, the entire series provides an output voltage line of 12V, 24V, 48V. In addition to the high efficiency up to 90%, the design of metallic mesh case enhances the heat dissipation of LRS-150 that the whole series operates from -30 °C through 70 °C under air convection without a fan. Delivering an extremely low no load power consumption (less than 0.5W), it allows the end system to easily meet the worldwide energy requirement. LRS-150 has the complete protection functions and 5G anti-vibration capability; LRS-150 series serves as a high price -to-performance power supply solution for various industrial applications.

Parameter



Item No	LRS-150-12	LRS-150-24	LRS-150-48
OUTPUT	12V,0~12.5A	24V,0~6.5A	48V,0~3.3A
CURRENT RANGE	±1.0%	±1.0%	±1.0%
RIPPLE & NOISE (max.)	150mVp-p	200mVp-p	200mVp-p
EFFICIENCY (Typ.)	87.5%	89%	90%
VOLTAGE RANGE	85~132VAC 170~264VDC		
FREQUENCY RANGE	47~63Hz		
INRUSH CURRENT (Typ.)	COLD START 60A/230VAC		
OVER LOAD	110~140% rated output power, Protection type : Hiccup mode, recovers automatically after fault condition is removed		
OVER VOLTAGE	13.8-16.2V	28.8-33.6V	55.2-64.8V
SETUP, RISE TIME	500ms,30ms/230VAC 500ms,30ms/115VAC at full load		
WORKING TEMP.	-30~+70°C		
WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC	I/P-FG:2KVAC	O/P-FG:1.25KVAC
SAFETY STANDARDS	UL60750-1,TUV EN60950-1,EN60335-1,EN61558-1/-2-16,CCC GB4943 approved		
EMC EMISSION	Compliance to EN55022(CISPR22),GB9254 Class B,EN55014 EN61000-3-2,-3		
EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11,EN61000-6-2(EN50082-2)		
DIMENSION	159*97*30mm(L*W*H)		
PACKING	0.48Kg;30pcs/15.4Kg/0.75CUFT		



Meanwell Power Series

200W Single Output Switching Power Supply

Features

- ▶ Ac input range selectable by switch
- ▶ Withstand 300VAC surge input for 5 second
- ▶ No load power consumption <0.75W
- ▶ Miniature size and 1U low profile
- ▶ High operating temperature upto 70 C
- ▶ Protections: Short circuit / Overload / Over voltage
- ▶ Cooling by free air convection
- ▶ Operating altitude up to 5000 meters
- ▶ Withstand 5G vibration test
- ▶ High efficiency, long life and high reliability
- ▶ LED indicator for power on
- ▶ 100% full load burn-in test
- ▶ 3 years warranty



Presentation

LRS-200 series is a 200W single-output enclosed type power supply with 30mm of low profile design. Adopting the full range 115-230VAC input, the entire series provides an output voltage line of 12V, 24V, 48V. In addition to the high efficiency up to 90%, the design of metallic mesh case enhances the heat dissipation of LRS-200 that the whole series operates from -30 C through 70 C under air convection without a fan. Delivering an extremely low no load power consumption (less than 0.2W), it allows the end system to easily meet the worldwide energy requirement. LRS-200 has the complete protection functions and 5G anti-vibration capability; LRS-200 series serves as a high price -to-performance power supply solution for various industrial applications.

Parameter



Item No	LRS-200-12	LRS-200-24	LRS-200-48
OUTPUT	12V,0~17A	24V,0~8.8A	48V,0~4.4A
CURRENT RANGE	±1.5%	±1.0%	±1.0%
RIPPLE & NOISE (max.)	150mVp-p	150mVp-p	200mVp-p
EFFICIENCY (Typ.)	87.5%	89.5%	90%
VOLTAGE RANGE	90~132VAC	180~264VDC	
FREQUENCY RANGE	47~63Hz		
INRUSH CURRENT (Typ.)	COLD START 60A/115VAC 60A/230VAC		
OVER LOAD	110~140% rated output power, Protection type : Hiccup mode, recovers automatically after fault condition is removed		
OVER VOLTAGE	13.8-16.2V	28.8-33.6V	55.2-64.8V
SETUP, RISE TIME	1300ms,50ms/230VAC 1300ms,50ms/115VAC at full load		
WORKING TEMP.	-25~+70°C		
WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC	I/P-FG:2KVAC	O/P-FG:0.5KVAC
SAFETY STANDARDS	UL60950-1, approved		
DIMENSION	215*115*30mm(L*W*H)		
PACKING	0.66Kg;15pcs/10.9Kg/0.78CUFT		

Meanwell Power Series

350W Single Output Switching Power Supply

Features

- ▶ Ac input range selectable by switch
- ▶ Withstand 300VAC surge input for 5 second
- ▶ No load power consumption <0.75W
- ▶ Miniature size and 1U low profile
- ▶ High operating temperature upto 70 C
- ▶ Protections: Short circuit / Overload / Over voltage
- ▶ Forced air cooling by built-in dc fan
- ▶ Operating altitude up to 5000 meters
- ▶ Withstand 5G vibration test
- ▶ High efficiency, long life and high reliability
- ▶ LED indicator for power on
- ▶ 100% full load burn-in test
- ▶ 3 years warranty



Presentation

LRS-350 series is a 350W single-output enclosed type power supply with 30mm of low profile design. Adopting the full range 115-230VAC input, the entire series provides an output voltage line of 12V, 24V, 48V. In addition to the high efficiency up to 89%, the design of metallic mesh case enhances the heat dissipation of LRS-350 that the whole series operates from -30 C through 70 C under air convection without a fan. Delivering an extremely low no load power consumption (less than 0.75W), it allows the end system to easily meet the worldwide energy requirement. LRS-350 has the complete protection functions and 5G anti-vibration capability; LRS-350 series serves as a high price -to-performance power supply solution for various industrial applications.

Parameter



Item No	LRS-350-12	LRS-350-24	LRS-350-48
OUTPUT	12V,0~29A	24V,0~14.6A	48V,0~7.3A
CURRENT RANGE	±1.5%	±1.0%	±1.0%
RIPPLE & NOISE (max.)	150mVp-p	150mVp-p	200mVp-p
EFFICIENCY (Typ.)	85%	88%	89%
VOLTAGE RANGE	90~132VAC	180~264VDC by switch	240~370VDC (switch on 230VAC)
FREQUENCY RANGE	47~63Hz		
INRUSH CURRENT (Typ.)	60A/115VAC 60A/230VAC		
OVER LOAD	110~140% rated output power, Protection type : Hiccup mode, recovers automatically after fault condition is removed		
OVER VOLTAGE	13.8-16.2V	28.8-33.6V	55.2-64.8V
SETUP, RISE TIME	1300ms,50ms/230VAC 1300ms,50ms/115VAC at full load		
WORKING TEMP.	-25~+70°C		
WITHSTAND VOLTAGE	I/P-O/P:3KVAC	I/P-FG:2KVAC	O/P-FG:0.5KVAC
SAFETY STANDARDS	UL60950-1, approved		
DIMENSION	215*115*30mm(L*W*H)		
PACKING	0.76Kg;15pcs/12.4Kg/0.78CUFT		

