

SWITCHING POWER SUPPLY PRODUCT CATALOG

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IF THERE ARE ERRORS IN THE PRODUCT INTRODUCTION,
PLEASE CONTACT OUR SALES DEPARTMENT.



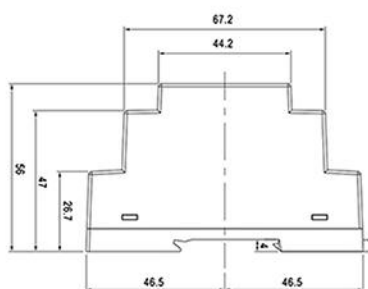
DR-15-

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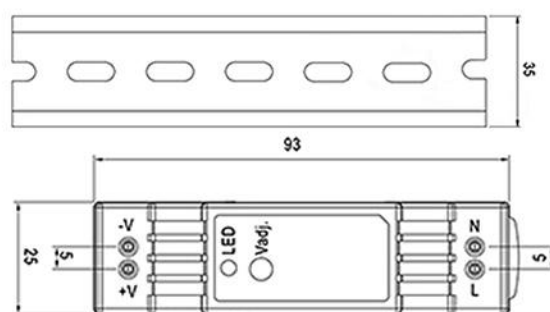


Schematic Diagram Of Guide Rail (导轨示意图)

■ Product Size

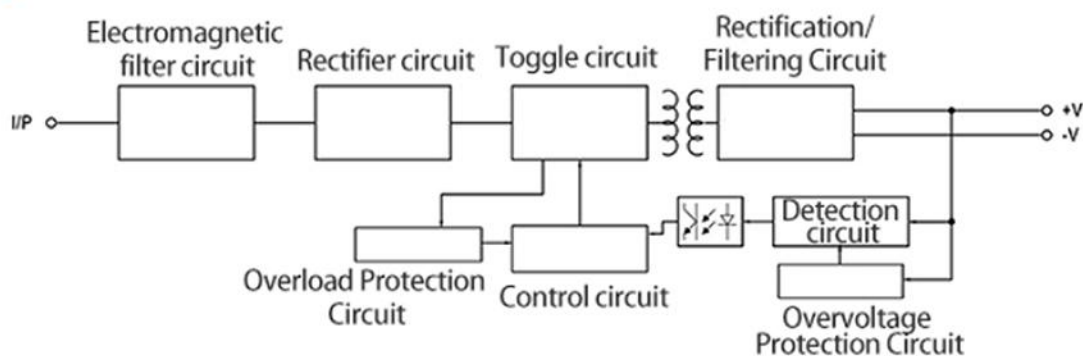


Case Model: 985A Unit: mm

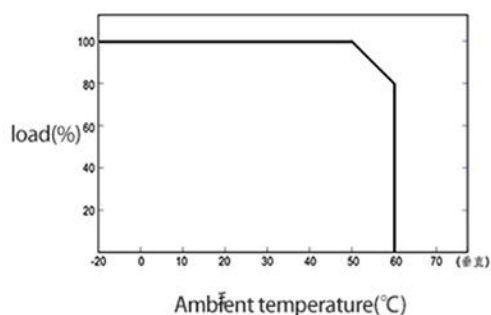


Mounting rail: TS357.5 or TS35/15

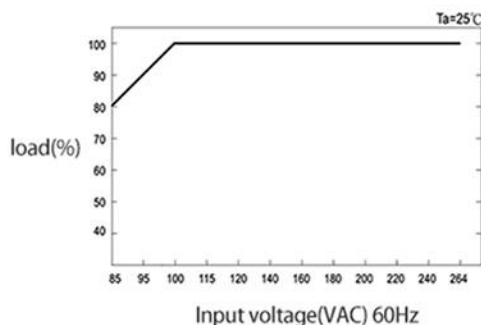
■ Block Diagram



■ Derating Curve



■ Output Derating Curve



Model number		DR-15-5	DR-15-12	DR-15-15	DR-15-24
Output	DC voltage	5V	12V	15V	24V
	Rated current	2.4A	1.25A	1A	0.63A
	Current range	0~2.4A	0~1.25A	0~1A	0~0.63A
	Rated power	12W	15W	15W	15.2W
	Ripple and Noise Remarks (Note 2)	80mV _{p-p}	120mV _{p-p}	120mV _{p-p}	150mV _{p-p}
	Voltage adjustment range	4.75~5.5V	10.8~13.2V	13.5-16.5V	21.6-26.4V
	Voltage Accuracy (Note 3)	±2.0%	±1.0%	±1.0%	±1.0%
	Linear adjustment rate	±1.0%	±1.0%	±1.0%	±1.0%
	load regulation rate	±1.0%	±1.0%	±1.0%	±1.0%
	Start-up, rise time	1000ms, 50ms/230VAC 1000ms, 50ms/115VAC (full load)			
	Hold Time (Typ.)	70ms/230VAC 16ms/115VAC (full load)			
input	Voltage range	85 ~ 264 VAC or 120 ~ 370 VDC			
	Frequency Range	47~63Hz			
	Efficiency (Typ.)	77%	84%	83.5%	85%
	AC Current (Typ.)	0.88A/115VAC 0.48A/230VAC			
	Inrush current (Typ.)	Cold Start: 35A/115VAC 65A/230VAC			
Protect	Overload (Note 5)	105% ~ 160% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.			
	Overvoltage	5.75~6.75V	13.8~16.2V	17.25~20.25V	27.6~32.4V
Surrou-ndings	Operating temperature	-20°C~+60°C (Please refer to "Derating Curve")			
	Working humidity	20-90% RH,no condensation			
	Storage temperature and humidity	-40~ +85C, 10~ 95% RH			
	Temperature Coefficient	±0.03%/°C (0~50°C)			
	Vibration resistance	10~ 500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6			
Safety and EMC (Note 4)	Safety regulations	UL60950-1.TUV EN60950-1 certified, designed in accordance with EN50178			
	Pressure resistance	I/P-O/P:3KVAC			
	Insulation impedance	I/P-O/P:100M Ohms/500VDC/25°C/70% RH			
	Electromagnetic Compatible Emissions	Complies with EN55011, EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3			
	Electromagnetic Compatibility Interference	Compliant with EN61000-4-2.3, 4.5, 6, 8, 11, EN55024, EN61000-6-2, EN61204-3, Class A heavy industry standard			
other	MTBF	≥1172.3K hrs. MIL-HDBK-217F (25°C)			
	size	25*93*56mm (W*H*L)			
	Packing	0.1Kg; 140pcs/15Kg/0.92CUFT			
Note	1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25°C ambient temperature. 2.Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ. 3. Accuracy: including setting error, linear adjustment rate and load adjustment rate. 4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm the electrical knock compatibility in conjunction with the final motion equipment. 5. The constant current operation specification is 60%~100% of the rated output voltage, the short circuit protection mode is hiccup mode, and it will automatically recover after the abnormal condition is removed.				



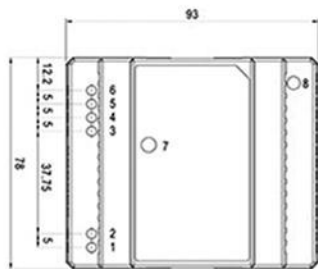
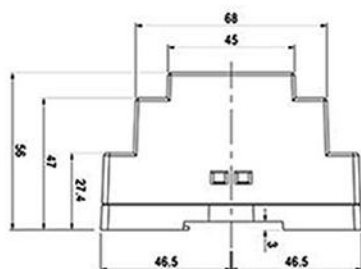
DR-60-

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Schematic Diagram Of Guide Rail (导轨示意图)

■ Product Size

Unit: mm



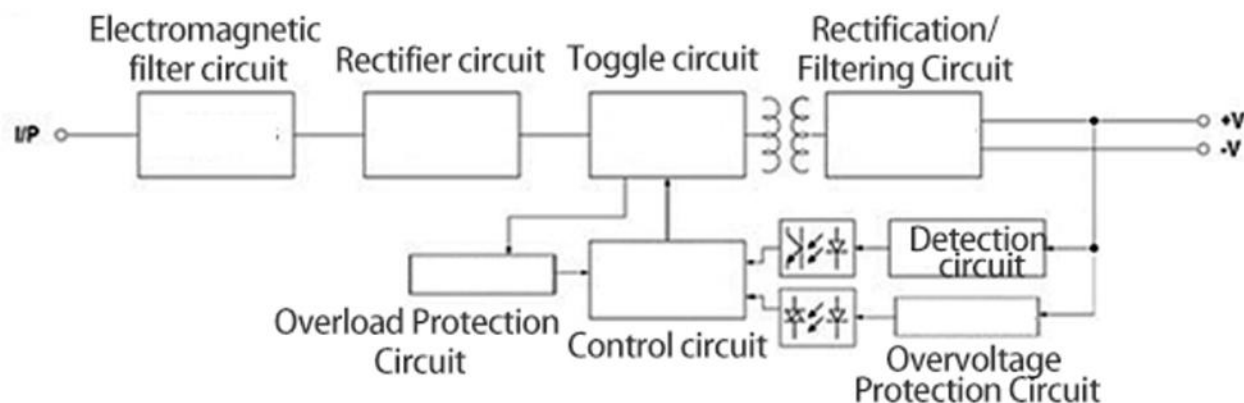
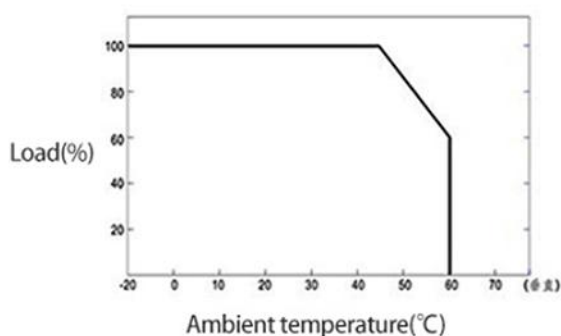
Terminal pin definition

pin number	pin function	pin number	pin function
1	AC/N	5.6	-V
2	AC/L	7	LED
3,4	+V	8	+V ADJ.



Mounting rail: TS357.5 or TS35/15

■ Block Diagram



Model number		DR-60-5	DR-60-12	DR-60-15	DR-60-24
Output	DC voltage	5V	12V	15V	24V
	Rated current	6.5A	5.0A	4.0A	2.5A
	Current range	0~6.5A	0~5.0A	0~4.0A	0~2.5A
	Rated power	32.5W	60W	60W	60W
	Ripple and Noise Remarks (Note 2)	80mV _{p-p}	120mV _{p-p}	120mV _{p-p}	150mV _{p-p}
	Voltage adjustment range	4.7~6V	12~14V	13~17V	23-28V
	Voltage Accuracy (Note 3)	±2.0%	±2.0%	±2.0%	±1.0%
	Linear adjustment rate	±0.5%	±0.5%	±0.5%	±0.5%
	load regulation rate	±1.0%	±1.0%	±1.0%	±1.0%
	Start-up, rise time	100ms, 50ms/230VAC 200ms, 50ms/115VAC (full load)			
	Hold Time (Typ.)	100ms/230VAC 23ms/115VAC (full load)			
input	Voltage range	100 ~ 240 VAC or 140 ~ 370 VDC			
	Frequency Range	50~60Hz			
	Efficiency (Typ.)	78%	82%	83%	84%
	AC Current (Typ.)	1.2A/115VAC 0.8A/230VAC			
	Inrush current (Typ.)	Cold Start: 18A/115VAC 36A/230VAC			
		<2mA / 240VAC			
Protect	Overload (Note 5)	105% ~ 160% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.			
	Overvoltage	5.75~6.9V	15~16.5V	17~20V	29~33V
		Protection mode: turn off the output voltage, restart to restore			
Surrou-ndings	Operating temperature	-10°C~+60°C			
	Working humidity	20~90% RH,no condensation			
	Storage temperature and humidity	-10~ +75C, 10~ 95% RH			
	Temperature Coefficient	±0.03%/°C (0~50°C)			
	Vibration resistance	10~ 500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6			
Safety and EMC (Note 4)	Safety regulations	UL508,UL60950-1 TUV EN60950-1, EAC TPTC 004 Compliance Certification			
	Pressure resistance	I/P-O/P:3KVAC I/P-FG:2.0KVA O/P-FG:0.4KVAC			
	Insulation impedance	I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70% RH			
	Electromagnetic Compatible Emissions	Complies with EN55011, EN55032 (CISPR32)CLASS B, EN61000-3-2,-3,EAC TPTC 020			
	Electromagnetic Compatibility Interference	Compliant with EN61000-4-2.3, 4.5, 6, 8, 11, EN55024, EN61000-6-2, (EN50082). Class A heavy industry standard			
other	MTBF	≥441K hrs. MIL-HDBK-217F (25°C)			
	size	78*93*56mm (L*H*W)			
	Packing	0.25Kg; 50pcs/15Kg			
Note	1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25°C ambient temperature. 2. Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ. 3. Accuracy: including setting error, linear adjustment rate and load adjustment rate. 4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm the electrical knock compatibility in conjunction with the final motion equipment. 5. The constant current operation specification is 60%~100% of the rated output voltage, the short circuit protection mode is hiccup mode, and it will automatically recover after the abnormal condition is removed.				



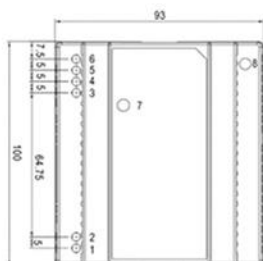
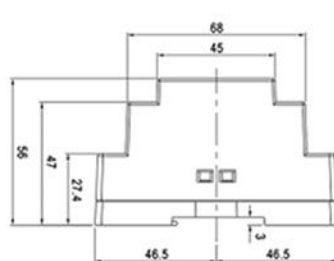
DR-100-

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Schematic Diagram Of Guide Rail (导轨示意图)

■ Product Size

Unit: mm



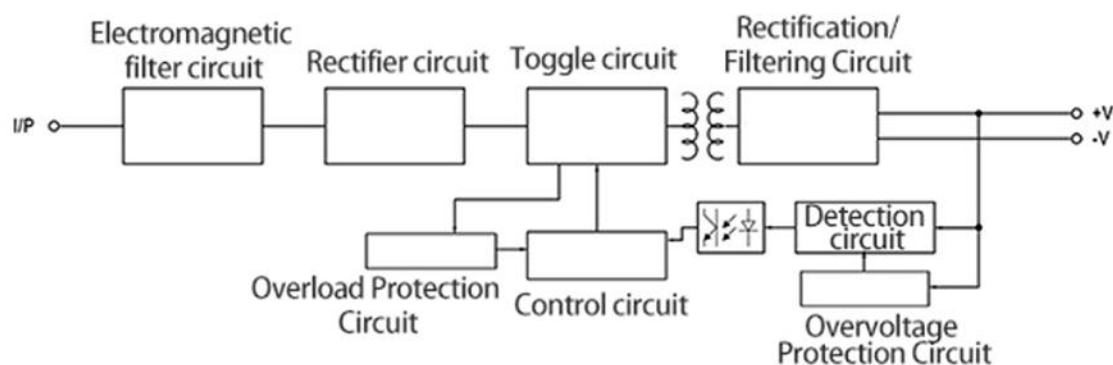
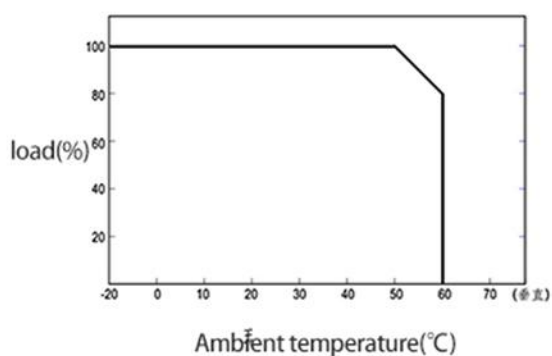
Terminal pin definition

pin number	pin function	pin number	pin function
1	AC/L(+)	5.6	-V
2	AC/N(-)	7	LED
3.4	+V	8	+V ADJ.



Mounting rail: TS357.5 or TS35/15

■ Block Diagram



Model number		DR-100-12	DR-100-24
Output	DC voltage	12V	24V
	Rated current	7.5A	4.2A
	Current range	0~7.5A	0~4.2A
	Rated power	90W	100.8W
	Ripple and Noise Remarks (Note 2)	120mV _{p.p}	150mV _{p.p}
	Voltage adjustment range	12~15V	24~29V
	Voltage Accuracy (Note 3)	±2.0%	±1.0%
	Linear adjustment rate	±1.0%	±1.0%
	load regulation rate	±1.0%	±1.0%
	Start-up, rise time	2700ms, 80ms/230VAC	2700ms, 50ms/115VAC (full load)
	Hold Time (Typ.)	50ms/230VAC 18ms/115VAC (full load)	
input	Voltage range	88 ~ 264 VAC or 124 ~ 370 VDC [By connecting AC/L(+), AC/N(-) can realize DC input]	
	Frequency Range	47~63Hz	
	Efficiency (Typ.)	87%	89%
	AC Current (Typ.)	3A/115VAC 1.6A/230VAC	
	Inrush current (Typ.)	Cold Start: 30A/115VAC 45A/230VAC	
		Turn off the output voltage and recover after restart	
Protect	Overload (Note 5)	105% ~ 160% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.	
	Overvoltage	16~20V	19~23V
Surrou-ndings	Operating temperature	-20°C~+60°C (Please refer to "Derating Curve")	
	Working humidity	20-90% RH,no condensation	
	Storage temperature and humidity	-40~ +85C, 10~ 95% RH	
	Temperature Coefficient	±0.03%/°C (0~50°C)	
	Vibration resistance	10~ 500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6	
Safety and EMC (Note 4)	Safety regulations	UL60950-1.TUV EN60950-1 certified, designed in accordance with EN50178	
	Pressure resistance	I/P-O/P:3KVAC	
	Insulation impedance	I/P-O/P:100M Ohms/500VDC/25°C/70% RH	
	Electromagnetic Compatible Emissions	Complies with EN61204-3, EN55032 , Class B, EN61000-3-2,-3	
	Electromagnetic Compatibility Interference	Compliant with EN61000-4-2,3, 4.5, 6, 8, 11, EN55024. EN61000-6-2, EN61204-3. Class A heavy industry standard	
other	MTBF	≥486K hrs. MIL-HDBK-217F (25°C)	
	size	100*93*56mm (L*H*W)	
	Packing	0.35Kg; 36pcs/13.6Kg/0.89CUFT	
Note	1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25°C ambient temperature. 2. Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ. 3. Accuracy: including setting error, linear adjustment rate and load adjustment rate. 4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm the electrical knock compatibility in conjunction with the final motion equipment. 5. The constant current operation specification is 60%~100% of the rated output voltage, the short circuit protection mode is hiccup mode, and it will automatically recover after the abnormal condition is removed.		



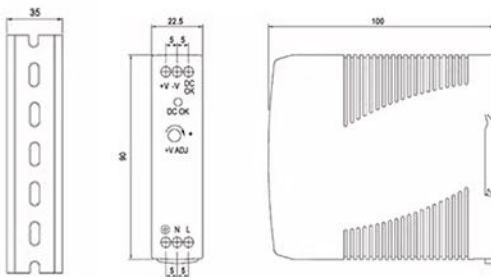
MDR-20- 5/12/24



Schematic Diagram Of Guide Rail (导轨示意图)

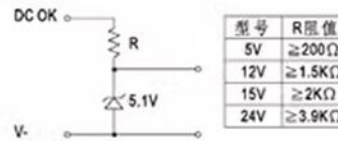
■ Product Size

Case Model: 962A Unit: mm

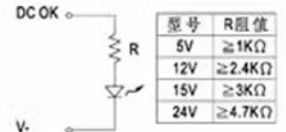


■ DC OK Relay Triggers

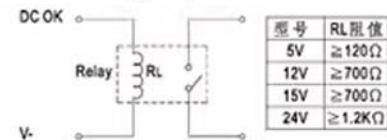
(a) 5V Signal



(b) LED

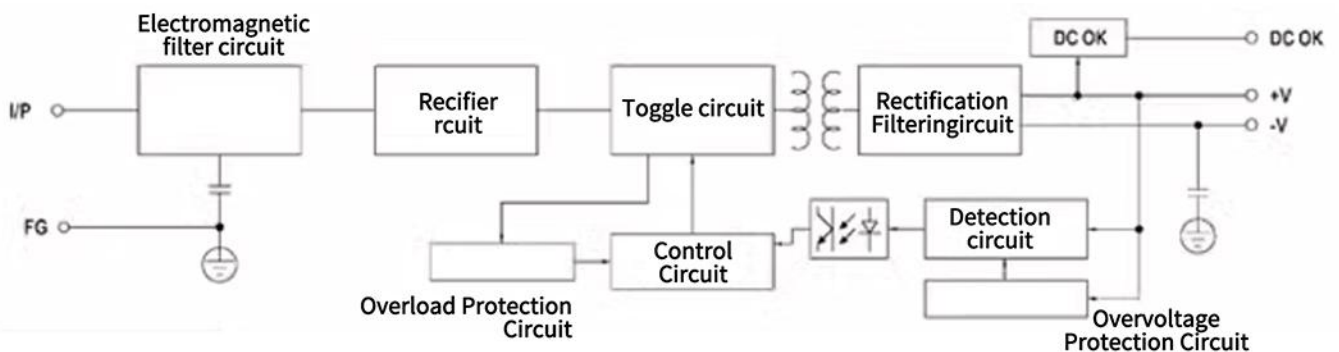


(c) Relay

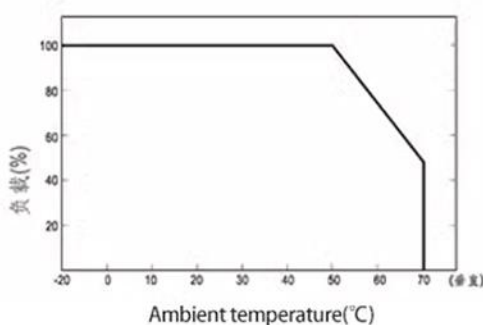


■ Block Diagram

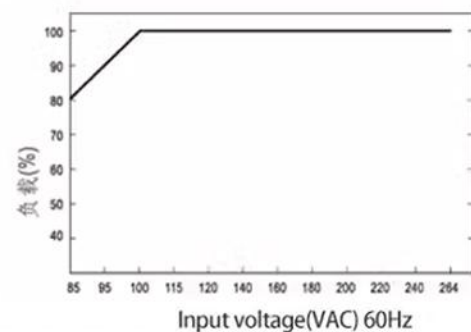
Frequency: 60KHz



■ Derating Curve



■ Input Voltage VS Output Derating Curve



	Model number	MDR-20-5	MDR-20-12	MDR-20-24
Output	DC voltage	5V	12V	24V
	Rated current	3A	1.67A	1A
	Current range	0~3A	0~1.67A	0~1A
	Rated power	15W	20W	24W
	Ripple and Noise Remarks (Note 2)	80mV _{p-p}	120mV _{p-p}	150mV _{p-p}
	Voltage adjustment range	4.75~5.5V	10.8~13.2V	21.6~26.4V
	Voltage Accuracy (Note 3)	±2.0%	±1.0%	±1.0%
	Linear adjustment rate	±1.0%	±1.0%	±1.0%
	load regulation rate	±1.0%	±1.0%	±1.0%
	Start-up, rise time	500ms, 30ms/230VAC 1000ms, 30ms/115VAC (full load)		
Hold Time (Typ.)	50ms/230VAC 20ms/115VAC (full load)			
Input	Voltage range	85 ~ 264 VAC or 120 ~ 370 VDC		
	Frequency Range	47~63Hz		
	Efficiency (Typ.)	76%	80%	84%
	AC Current (Typ.)	0.55A/115VAC 0.35A/230VAC		
	Inrush current (Typ.)	Cold Start: 20A/115VAC 40A/230VAC		
	Leakage current	≤1mA/ 240VAC		
Protect	Overload (Note 5)	105% ~ 160% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.		
	Overvoltage	5.75~6.75V	13.8~16.2V	27.6~32.4V
		Protection mode: turn off the output voltage, recover after restart		
Function	DC OK signal	3.75~6V/50mA	9~13.5V/40mA	18~27V/20mA
Surroundings	Operating temperature	-20℃~+70℃ (Please refer to "Derating Curve")		
	Working humidity	20-90% RH,no condensation		
	Storage temperature and humidity	-40~ +85℃, 10~ 95% RH		
	Temperature Coefficient	±0.03%/℃ (0~50℃)		
	Vibration resistance	10~500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6		
Safety and EMC (Note 4)	Safety regulations	UL508, UL62368-1, TUV BS EN/EN62368-1,Class I, Div. 2 GroupA, B, C,D Hazardous Locations T4,EAC TP TC 004, BSMI CNS14336-1,AS/NZS 60950.1, IS13252(Part1) /IEC60950-1 Certification passed		
	Pressure resistance	I/P-O/P:3KVAC	I/P-FG:2KVAC	O/P-FG:0.5KVAC
	Insulation impedance	I/P-O/P, I/P-FG, O/P-FG: > 100M Ohms/500VDC/25℃/70% RH		
	Electromagnetic Compatible Emissions	Complies with BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class B.		
	Electromagnetic Compatibility Interference	Compliant with EN/EN61000-4-2.3, 4.5, 6, 8, 11, EN/EN55024, EN/EN61000-6-2, EN61204-3, Class A heavy industry standard , EAC TP TC 020		
Other	MTBF	≥236.9K hrs. MIL-HDBK-217F(25℃)		
	Size	22.5*90*100mm		
	Packing	0.17Kg; 72pcs/13.2Kg/0.91CUFT		
Note	1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25℃ ambient temperature. 2 Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ. 3. Accuracy: including setting error, linear adjustment rate and load adjustment rate. 4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm with the final motion equipment. 5. Start-up time is measured at a cold start, and frequent power on and off may result in longer start-up times. 6.When the height of the poster exceeds 2000 meters (6500 feet), the ambient temperature of the fanless model drops at a rate of 3.5℃/1000m, and the ambient temperature of the fan model drops at a rate of 5℃/1000m.			



MDR-40-

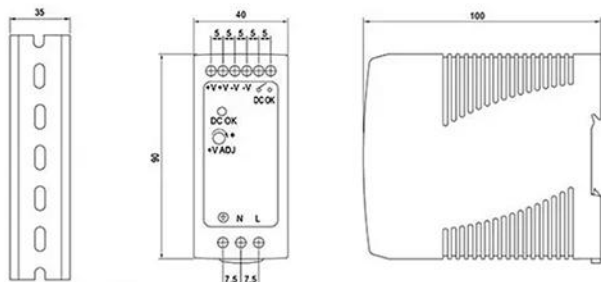
5/12/24/48



Schematic Diagram Of Guide Rail (导轨示意图)

■ Product Size

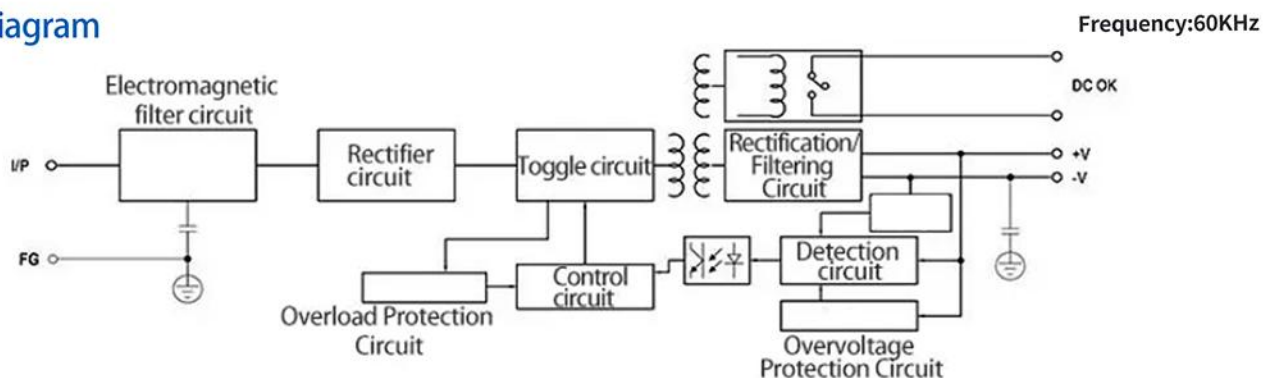
Case Model: 962A Unit: mm



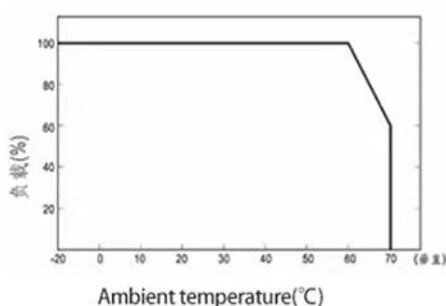
■ DC OK Relay Triggers

Contact closed	Power ON/DC OK
Contacts open	Power off/DC failure
Contact (max)	30V/1A resistive load

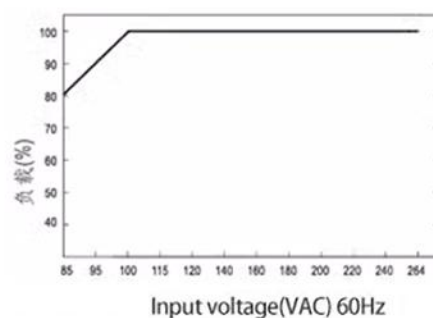
■ Block Diagram



■ Derating Curve



■ Input Voltage VS Output Derating Curve



	Model number	MDR-40-5	MDR-40-12	MDR-40-24	MDR-40-48
Output	DC voltage	5V	12V	24V	48V
	Rated current	6A	3.33A	1.7A	0.83A
	Current range	0~6A	0~3.33A	0~1.7A	0~0.83A
	Rated power	30W	40W	40.8W	39.8W
	Ripple and Noise Remarks (Note 2)	80mV _{P-P}	120mV _{P-P}	150mV _{P-P}	200mV _{P-P}
	Voltage adjustment range	5-6V	12~15V	24~30V	48~56V
	Voltage Accuracy (Note 3)	±2.0%	±1.0%	±1.0%	±1.0%
	Linear adjustment rate	±1.0%	±1.0%	±1.0%	±1.0%
	load regulation rate	±1.0%	±1.0%	±1.0%	±1.0%
	Start-up, rise time	500ms, 30ms/230VAC 500ms, 30ms/115VAC (full load)			
Hold Time (Typ.)	50ms/230VAC 20ms/115VAC (full load)				
Input	Voltage range	85 ~ 264 VAC or 120 ~ 370 VDC			
	Frequency Range	47~63Hz			
	Efficiency (Typ.)	78%	86%	88%	88%
	AC Current (Typ.)	1.1A/115VAC		0.7A/230VAC	
	Inrush current (Typ.)	Cold Start: 30A/115VAC 60A/230VAC			
	Leakage current	≤1mA/ 240VAC			
Protect	Overload (Note 5)	105% ~ 160% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.			
	Overvoltage	6.25~7.25V	15.6~18V	31.2~36V	57.6~64.8V
Function	DC OK signal	Protection mode: turn off the output voltage, recover after restart Relay contact (max): 30V/1A resistive load			
Surrou- ndings	Operating temperature	-20℃~+70℃ (Please refer to "Derating Curve")			
	Working humidity	20-90% RH,no condensation			
	Storage temperature and humidity	-40~ +85C, 10~ 95% RH			
	Temperature Coefficient	±0.03%/℃ (0~50℃)			
	Vibration resistance	10~500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6			
Safety and EMC (Note 4)	Safety regulations	UL508, UL62368-1, TUV BS EN/EN62368-1,Class I, Div. 2 GroupA, B, C,D Hazardous Locations T4,EAC TP TC 004, BSMI CNS14336-1,AS/NZS 60950.1, IS13252(Part1) /IEC60950-1 Certification passed			
	Pressure resistance	I/P-O/P:3KVAC	I/P-FG:2KVAC	O/P-FG:0.5KVAC	
	Insulation impedance	I/P-O/P, I/P-FG, O/P-FG: > 100M Ohms/500VDC/25℃/70% RH			
	Electromagnetic Compatible Emissions	Complies with BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class B.			
	Electromagnetic Compatibility Interference	Compliant with EN/EN61000-4-2.3, 4.5, 6, 8, 11, EN/EN55024, EN/EN61000-6-2, EN61204-3, Class A heavy industry standard , EAC TP TC 020			
Other	MTBF	≥301.7K hrs. MIL-HDBK-217F(25℃)			
	Size	40*90*100mm			
	Packing	0.3Kg; 42pcs/13.6Kg/0.82CUFT			

- Note**
1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25°C ambient temperature.
 - 2 Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ.
 3. Accuracy: including setting error, linear adjustment rate and load adjustment rate.
 4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm with the final motion equipment.
 5. Start-up time is measured at a cold start, and frequent power on and off may result in longer start-up times.
 6. When the height of the poster exceeds 2000 meters (6500 feet), the ambient temperature of the fanless model drops at a rate of 3.5°C/1000m, and the ambient temperature of the fan model drops at a rate of 5°C/1000m.



MDR-60-

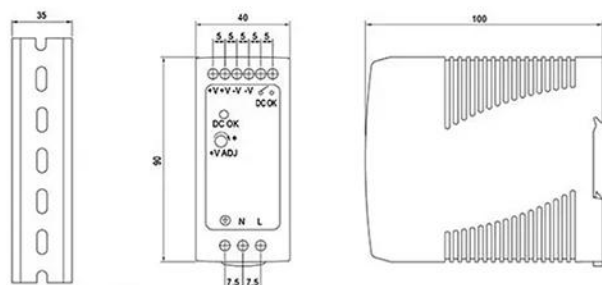
5/12/24/48



Schematic Diagram Of Guide Rail (导轨示意图)

■ Product Size

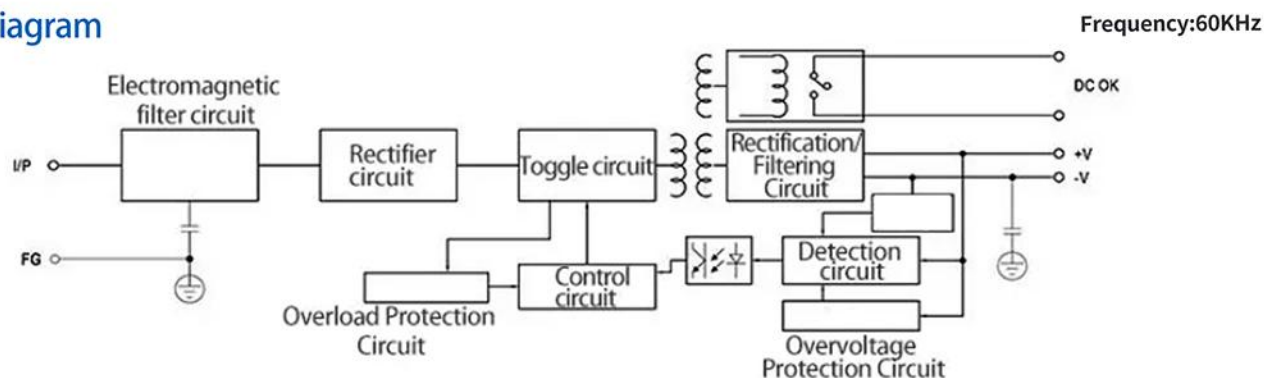
Case Model: 962A Unit: mm



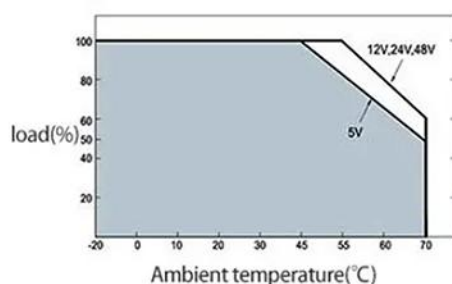
■ DC OK Relay Triggers

Contact closed	Power ON/DC OK
Contacts open	Power off/DC failure
Contact (max)	30V/1A resistive load

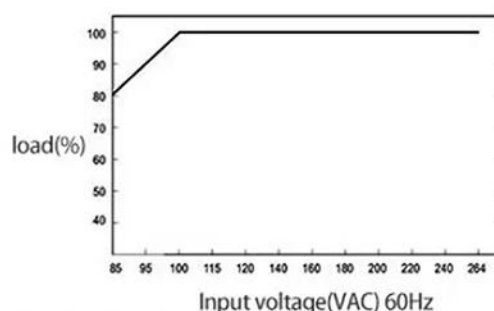
■ Block Diagram



■ Derating Curve



■ Input Voltage VS Output Derating Curve



Model number		MDR-60-5	MDR-60-12	MDR-60-24	MDR-60-48
Output	DC voltage	5V	12V	24V	48V
	Rated current	10A	5A	2.5A	1.25A
	Current range	0~10A	0~5A	0~2.5A	0~1.25A
	Rated power	50W	60W	60W	60W
	Ripple and Noise Remarks (Note 2)	80mV _{p-p}	120mV _{p-p}	150mV _{p-p}	200mV _{p-p}
	Voltage adjustment range	5~6V	12~15V	24~30V	48~56V
	Voltage Accuracy (Note 3)	±2.0%	±1.0%	±1.0%	±1.0%
	Linear adjustment rate	±1.0%	±1.0%	±1.0%	±1.0%
	load regulation rate	±1.5%	±1.0%	±1.0%	±1.0%
	Start-up, rise time	500ms,30ms/230VAC 500ms,30ms/115VAC (full load)			
	Hold Time (Typ.)	50ms/230VAC 20ms/115VAC(full load)			
input	Voltage range	85 ~ 264 VAC or 120 ~ 370 VDC			
	Frequency Range	47~63Hz			
	Efficiency (Typ.)	78%	86%	88%	87%
	AC Current (Typ.)	1.8A/115VAC 1A/230VAC			
	Inrush current (Typ.)	Cold Start: 30A/115VAC 60A/230VAC			
	Leakage current	<1mA/240VAC			
Protect	Overload (Note 5)	105% ~ 150% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.			
	Overvoltage	6.25~7.25V	15.6~18V	31.2~36V	57.6~64.8V
Surrou-ndings	Operating temperature	-20°C~+70°C (Please refer to "Derating Curve")			
	Working humidity	20-90% RH,no condensation			
	Storage temperature and humidity	-40~ +85C, 10~ 95% RH			
	Temperature Coefficient	±0.03%/°C (0~50°C)			
	Vibration resistance	10~ 500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6			
Safety and EMC (Note 4)	Safety regulations	UL508UL62368-1,TUV BS EN/EN62368-1,Class1 rardouslosatons T4EACPTC 004BSMNS14336 D 60950.1.IS13252(Part1)7EC60950-1 Certification based			
	Pressure resistance	I/P-O/P:3KVACIP-FG:2KVAC O/P-FG:0.5KVAC			
	Insulation impedance	VP-O/P,VP-FG,O/P-FG:>100M Oms/500VDC/25C/70% RH			
	Electromagnetic Compatible Emissions	Complies with BS EN/EN55032(CISPR32)BS ENEN61204-3 Class B BSEN/EN610003-2-3EACTPTC020CNS13438 ClassB			
other	Electromagnetic Compatibility Interference	Compliant with EN61000-4-2.3, 4.5, 6, 8, 11, EN55024, EN61000-6-2, EN61204-3, Class A heavy industry standard			
	MTBF	≥1172.3K hrs. MIL-HDBK-217F (25°C)			
	size	40*90*100mm (W*H*L)			
	Packing	0.33Kg:42pcs/14.8Kg/0.82CUFT			
Funct-ion	DC OK signal	Relay contact (max): 30V/1A resistive load			
Note	1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25°C ambient temperature. 2 Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ. 3. Accuracy: including setting error, linear adjustment rate and load adjustment rate. 4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm the electrical knock compatibility in conjunction with the final motion equipment. 5. Start-up time is measured at a cold start, and frequent power on and off may result inlonger start-up times. 6.When the height of the poster exceeds 2000 meters (6500 feet), the ambienttemperature of the fanless model drops at a rate of 3.5' C/1000m, and the ambienttemperature of the fan model drops at a rate of 5° C/1000m.				



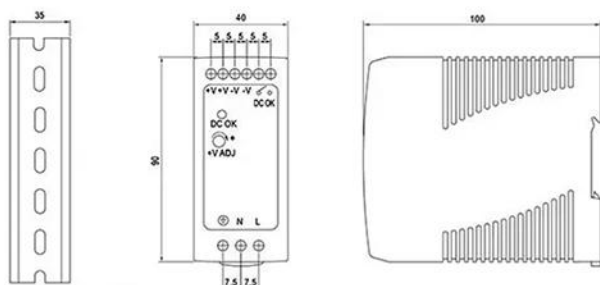
MDR-100- 12/24/48



Schematic Diagram Of Guide Rail (导轨示意图)

■ Product Size

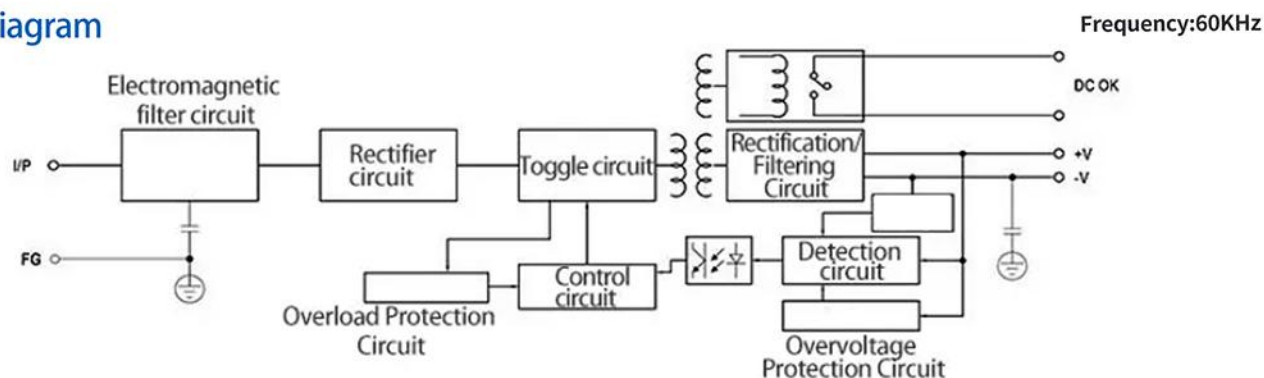
Case Model: 962A Unit: mm



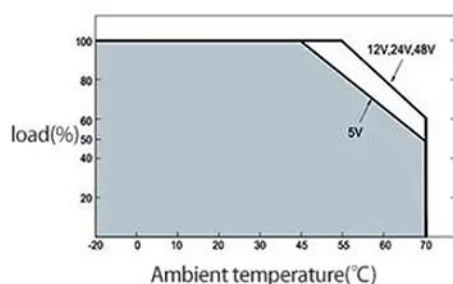
■ DC OK Relay Triggers

Contact closed	Power ON/DC OK
Contacts open	Power off/DC failure
Contact (max)	30V/1A resistive load

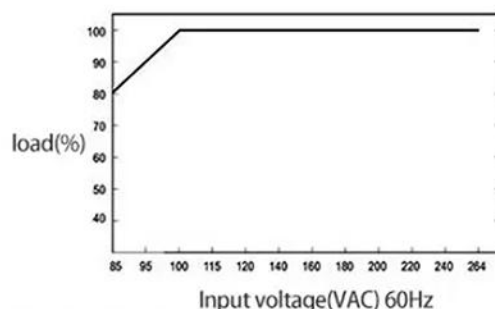
■ Block Diagram



■ Derating Curve



■ Input Voltage VS Output Derating Curve



	Model number	MDR-100-12	MDR-100-24	MDR-100-48
Output	DC voltage	12V	24V	48V
	Rated current	7.5A	4A	2A
	Current range	0~7.5A	0~4A	0~2A
	Rated power	90W	96W	96W
	Ripple and Noise Remarks (Note 2)	120mV _{p,p}	150mV _{p,p}	200mV _{p,p}
	Voltage adjustment range	12~15V	24~30V	48~56V
	Voltage Accuracy (Note 3)	±1.0%	±1.0%	±1.0%
	Linear adjustment rate	±1.0%	±1.0%	±1.0%
	load regulation rate	±1.0%	±1.0%	±1.0%
	Start-up, rise time	500ms,30ms/230VAC 500ms,30ms/115VAC (full load)		
Hold Time (Typ.)	50ms/230VAC 20ms/115VAC(full load)			
input	Voltage range	85 ~ 264 VAC or 120 ~ 370 VDC		
	Frequency Range	47~63Hz		
	Efficiency (Typ.)	83%	88%	87%
	Functional factors	1.8A/115VAC 1A/230VAC		
	AC Current (Typ.)	PF≥0.95/230VAC PF≥0.98/115VAC (full load)		
	Inrush current (Typ.)	Cold Start: 30A/115VAC 60A/230VAC		
	Leakage current	<1mA/240VAC		
Protect	Overload (Note 5)	105% ~ 150% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.		
	Overvoltage	15.6~18V	31.2~36V	57.6~64.8V
		Protection Mode: Shutdown Output Voltage, Diode Clamped		
	Over temperature	Turn off the output voltage, automatically recover or recover after restart		
Surrou-ndings	Operating temperature	-10°C~+60°C (Please refer to "Derating Curve")		
	Working humidity	20-90% RH,no condensation		
	Storage temperature and humidity	-40~ +85C, 10~ 95% RH		
	Temperature Coefficient	±0.03%/°C (0~50°C)		
	Vibration resistance	10~ 500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6		
Safety and EMC (Note 4)	Safety regulations	UL508, TUV EN 60950-1 Certification passed60950.1.IS13252(Part1)7EC60950-1 Certification base		
	Pressure resistance	I/P-O/P:3KVACIP-FG:2KVAC O/P-FG:0.5KVAC		
	Insulation impedance	VP-O/P,VP-FG,O/P-FG:>100M Oms/500VDC/25C/70% RH		
	Electromagnetic Compatible Emissions	Complies with BS EN/EN55032(CISPR32)BS ENEN61204-3 Class B BSEN/EN610003-2-3EACTPTC020CNS13438 ClassB		
	Electromagnetic Compatibility Interference	Compliant with EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2, EN61204-3, Class A heavy industry standard		
other	MTBF	≥346K hrs. MIL-HDBK-217F (25°C)		
	size	55*90*100mm (L*H*W)		
	Packing	0.42Kg; 30pcs/13.6Kg/0.82CUFT		
Funct-ion	DC OK signal	Relay contact (max): 30V/1A resistive load		
Note	1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25°C ambient temperature. 2. Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ. 3. Accuracy: including setting error, linear adjustment rate and load adjustment rate. 4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm the electrical knock compatibility in conjunction with the final motion equipment. 5. Start-up time is measured at a cold start, and frequent power on and off may result in longer start-up times. 6. When the height of the poster exceeds 2000 meters (6500 feet), the ambienttemperature of the fanless model drops at a rate of 3.5° C/1000m, and the ambienttemperature of the fan model drops at a rate of 5° C/1000m.			



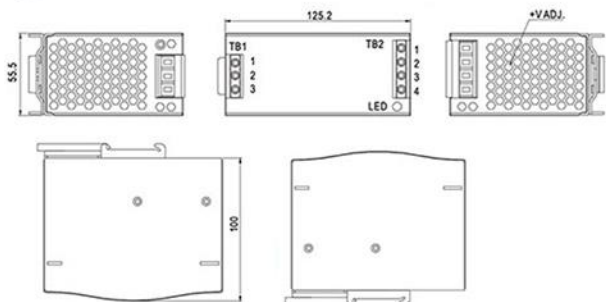
NDR-75- 12/24/48



Schematic Diagram Of Guide Rail (导轨示意图)

■ Product Size

Case Model: 923 Unit: mm



Terminal pin definition (TB1)

Pin number	Pin function
1	FG⊕
2	AC/N(DC+)
3	AC/L(DC-)

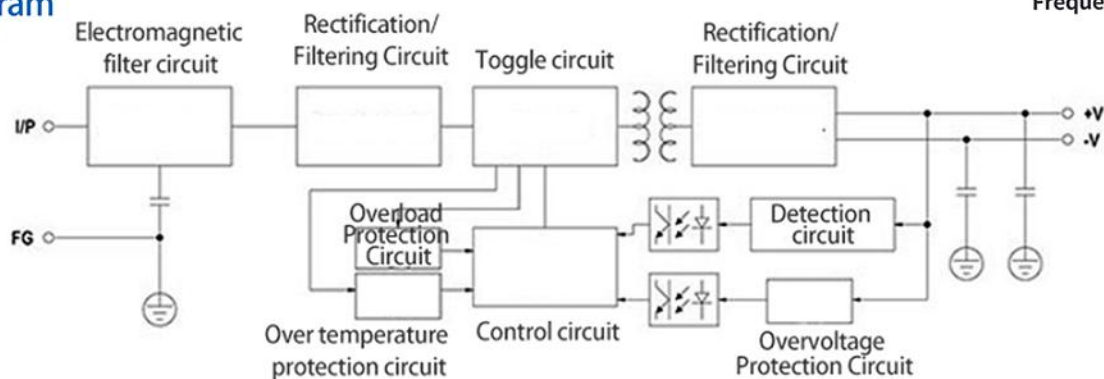
Terminal pin definition (TB2)

Pin number	Pin function
1,2	DC OUTPUT +V
3,4	DC OUTPUT -V

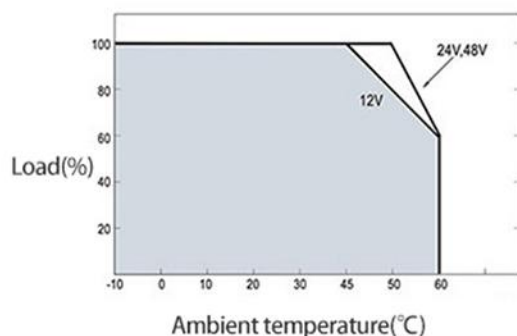


Mounting rail: TS357.5 or TS35/15

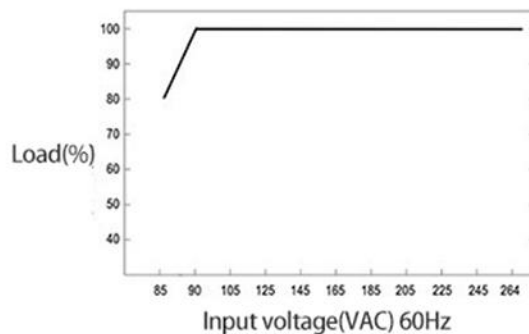
■ Block Diagram



■ Derating Curve



■ Input Voltage VS Output Derating Curve

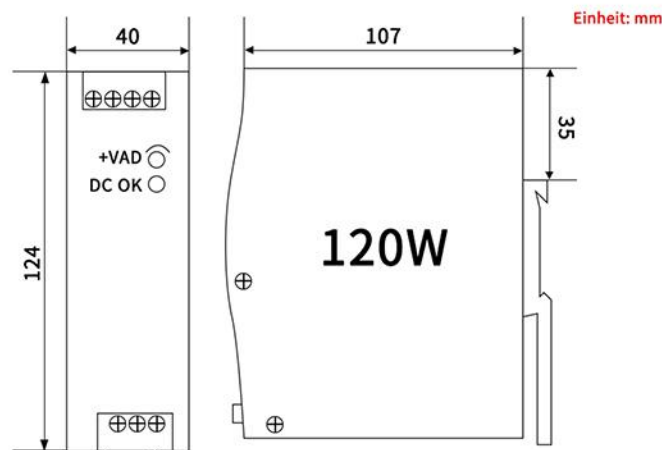


	Model number	NDR-75-12	NDR-75-24	NDR-75-48
Output	DC voltage	12V	24V	48V
	Rated current	6.3A	3.2A	1.6A
	Current range	0~6.3A	0~3.2A	0~1.6A
	Rated power	76W	76.8W	76.8W
	Ripple and Noise Remarks (Note 2)	100mV _{p-p}	150mV _{p-p}	240mV _{p-p}
	Voltage adjustment range	12~14V	24~28V	48~53V
	Voltage Accuracy (Note 3)	±2.0%	±1.0%	±1.0%
	Linear adjustment rate	±0.5%	±0.5%	±0.5%
	load regulation rate	±1.0%	±1.0%	±1.0%
	Start-up, rise time	1000ms, 60ms/230VAC 1800ms, 60ms/115VAC (full load)		
	Hold Time (Typ.)	60ms/230VAC 12ms/115VAC (full load)		
input	Voltage range	85 ~ 264 VAC or 120 ~ 370 VDC		
	Frequency Range	47~63Hz		
	Efficiency (Typ.)	76%	80%	81%
	AC Current (Typ.)	1.6A/115VAC 0.96A/230VAC		
	Inrush current (Typ.)	Cold Start: 20A/115VAC 40A/230VAC		
	Leakage current	<1mA / 240VAC		
Protect	Overload	105% ~ 150% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.		
	Overvoltage	15~16.5V	29~34V	58~65V
		Protection mode: turn off the output, restore after restart		
	Over temperature	85°C±15°C (TSW1: Detecting power transistor heat sink) Protection mode: turn off the output, when the temperature returns to normal, it can automatically recover		
Surrou-ndings	Operating temperature	-10°C~+60°C (Please refer to "Derating Curve")		
	Working humidity	20-90% RH,no condensation		
	Storage temperature and humidity	-20~ +85°C, 10~ 95% RH		
	Temperature Coefficient	±0.03%/°C (0~50°C)		
	Vibration resistance	10~ 500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6		
Safety and EMC (Note 4)	Safety regulations	UL508, TUV EN 60950-1 ,EAC TOP TC 004 Certification passed		
	Pressure resistance	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC		
	Insulation impedance	I/P-O/P, I/P-FG, O/P-FG:> 100M Ohms/500VDC/25°C/70% RH		
	Electromagnetic Compatible Emissions	Complies with EN55011, EN55032 (CISPR32)Class B, EN61000-3-2 EAC TPTC 020		
	Electromagnetic Compatibility Interference	Comply with EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, EN61000-6-2, (EN50082-2), Class A heavy industry standard , EAC TP TC 020		
other	MTBF	≥123.1K hrs. MIL-HDBK-217F (25°C)		
	Size	55.5*100*125.2mm (L*W*H)		
	Packing	0.6Kg; 20pcs/13.6Kg/1.29CUFT		
Note	1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25°C ambient temperature. 2. Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ. 3. Accuracy: including setting error, linear adjustment rate and load adjustment rate. 4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm the electrical knock compatibility in conjunction with the final motion equipment. 5. When the height of the poster exceeds 2000 meters (6500 feet), the ambient temperature of the fanless model drops at a rate of 3.5°C/1000m, and the ambient temperature of the fan model drops at a rate of 5°C/1000m.			



NDR-120- 12/24

■ Product Size



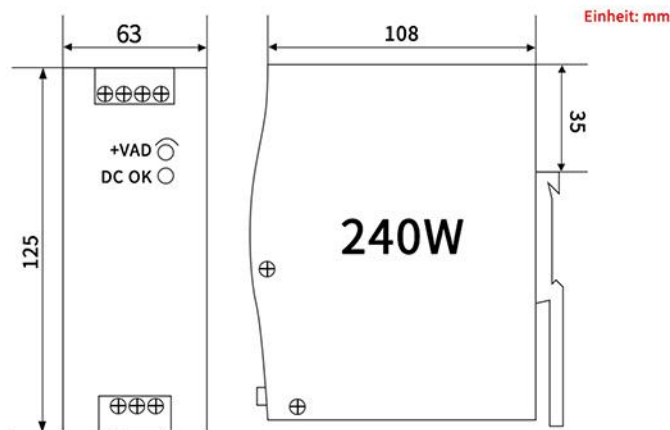
Model number	NDR-120-12	NDR-120-24
DC output voltage	12V	24V
Output current	10A	5A
Ripples and noise	100mV _{p-p}	120mV _{p-p}
Voltage Accuracy	±3.0%	±2.0%
Load stability	±1.0%	±1.0%
Efficiency	85%	88%
Voltage adjustable range	±10%	±10%
AC input voltage range	90-132VAC	180-264VAC
AC Inrush current	Cold-start current	
Overload protection	105% --130% cut outputspring return,auto return	
Overvoltage protection	115% / 145% protection mode: stop output volt,resta outputrt	
Start and rise time	1200ms 60ms / 230VAC 2300ms 60ms / 115VAC	
Pressure resistance	IP-O/P:3K VAC, 1/P-FG:2K VAC, O/P-FG:0.5K VAC,	
Isolation resistor	I/P-O/P, I/P-FG, O/P-FG:500VDC/100MΩ	
Working temperature	-10°C~ +60°C	
Working humidity	20% ~ 90%RH	
Safety standards	Complies with GB4943	



NDR-240-

12/24/48

■ Product Size



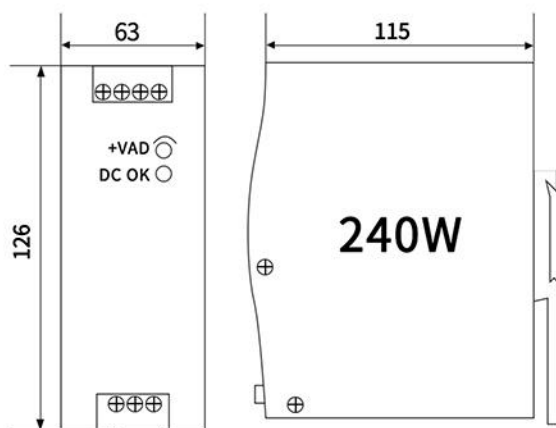
Model number	NDR-240-12	NDR-240-24	NDR-240-48
DC output voltage	12V	24V	48V
Output current	20A	10A	5A
Ripples and noise	160mV _{P-P}	150mV _{P-P}	150mV _{P-P}
Voltage Accuracy	±2.0%	±1.0%	±1.0%
Load stability	±1.0%	±1.0%	±1.0%
Efficiency	88%	88.5%	90%
Voltage adjustable range	±1.0%	±0.5%	±0.5%
AC input voltage range	90-132VAC 180-264VAC		
AC Inrush current	Cold-start current		
Overload protection	105% --130% cut outputspring return,auto return		
Overvoltage protection	115% / 145% protection mode: stop output volt,resta outputrt		
Start and rise time	1200ms 60ms / 230VAC 2300ms 60ms / 115VAC		
Pressure resistance	IP-O/P:3K VAC, 1/P-FG:2K VAC, O/P-FG:0.5K VAC,		
Isolation resistor	I/P-O/P, I/P-FG, O/P-FG:500VDC/100MΩ		
Working temperature	-10°C~ +60°C		
Working humidity	20% ~ 90%RH		
Safety standards	Complies with GB4943		

(For 110V to 220V switching, please contact support for customization.)

■ Product Size



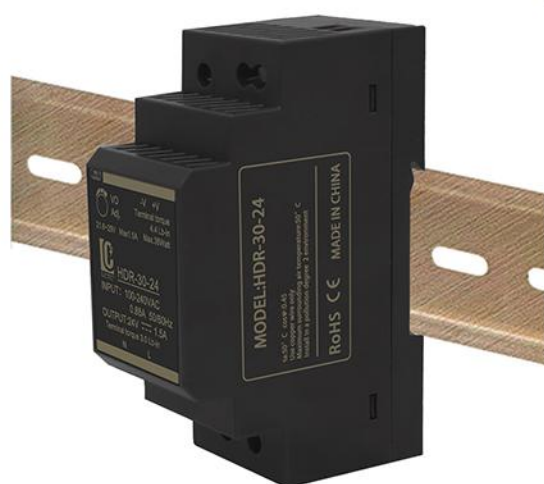
NDR-240- 12/24/48



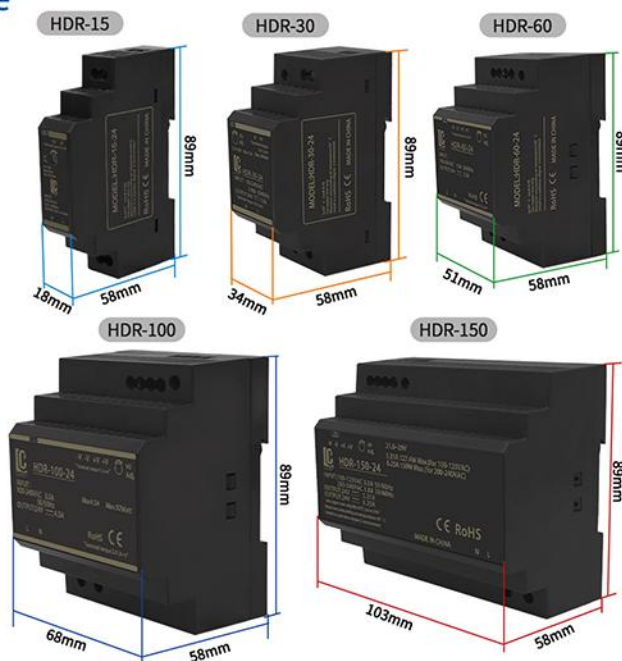
Einheit: mm

Model number	NDR-240-12	NDR-240-24	NDR-240-48
DC output voltage	12V	24V	48V
Output current	20A	10A	5A
Ripples and noise	160mV _{P-P}	150mV _{P-P}	150mV _{P-P}
Voltage Accuracy	±2.0%	±1.0%	±1.0%
Load stability	±1.0%	±1.0%	±1.0%
Efficiency	88%	88.5%	90%
Voltage adjustable range	±1.0%	±0.5%	±0.5%
AC input voltage range	100-240VAC		
AC Inrush current	Cold-start current		
Overload protection	105% --130% cut outputspring return,auto return		
Overvoltage protection	115% / 145% protection mode: stop output volt,resta outputrt		
Start and rise time	1200ms 60ms / 230VAC 2300ms 60ms / 115VAC		
Pressure resistance	IP-O/P:3K VAC, 1/P-FG:2K VAC, O/P-FG:0.5K VAC,		
Isolation resistor	I/P-O/P, I/P-FG, O/P-FG:500VDC/100MΩ		
Working temperature	-10°C~ +60°C		
Working humidity	20% ~ 90%RH		
Safety standards	Complies with GB4943		

■ Product Size



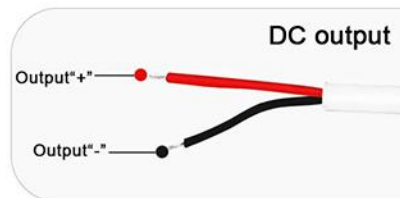
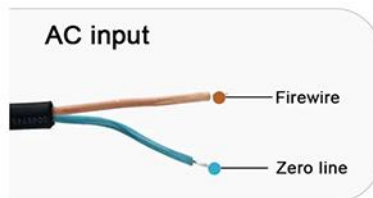
HDR- -
 15/30/60/100/150 5/12/24/48



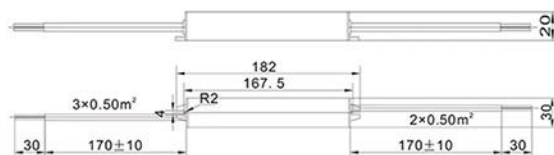
Model	Input voltage	Output voltage	Output current	Output power
HDR-15-5	100-240VAC	5V	2.5A	15W
HDR-15-12	100-240VAC	12V	1.25A	15W
HDR-15-24	100-240VAC	24V	0.63A	15.2W
HDR-30-5	100-240VAC	5V	6A	24W
HDR-30-12	100-240VAC	12V	2.5A	24W
HDR-30-24	100-240VAC	24V	1.5A	36W
HDR-60-5	100-240VAC	5V	12A	60W
HDR-60-12	100-240VAC	12V	5A	60W
HDR-60-24	100-240VAC	24V	2.5A	60W
HDR-60-48	100-240VAC	48V	1.25A	60W
HDR-100-12	100-240VAC	12V	7.5A	92W
HDR-100-24	100-240VAC	24V	4.5A	92W
HDR-100-48	100-240VAC	48V	1.92A	92W
HDR-150-12	100-120VAC 200-240VAC	12V	10.2A/11.3A	122.4W/134.6W
HDR-150-24	100-120VAC 200-240VAC	24V	5.31A/6.25A	127.4W/150W
HDR-150-48	100-120VAC 200-240VAC	48V	2.72A/3.2A	130.6W/153.6W



LPV-25-
12/15/24/27



■ Product Size

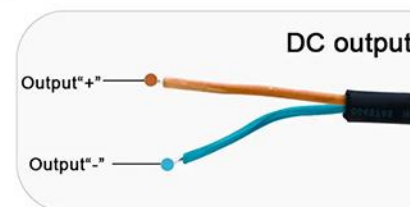
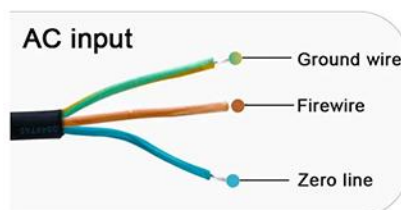


Unit:mm

Model number	LPV-25-12	LPV-25-15	LPV-25-24	LPV-25-27
DC voltage	12V	15V	24V	27V
Rated current	2A	1.6A	1A	0.9A
Current range	0~2A	0~1.6A	0~1A	0~0.9A
Rated power	24W	24W	24W	24.3W
Ripple and Noise Remarks	150mV _{p.p}	150mV _{p.p}	150mV _{p.p}	150mV _{p.p}
Voltage Accuracy	±3.0%	±2.0%	±1.0%	±1.0%
Linear adjustment rate	±0.5%	±0.5%	±0.5%	±0.5%
Load regulation rate	±2.0%	±1.0%	±0.5%	±0.5%
Start-up, rise time	500ms, 80ms/230VAC (full load)			
Hold Time (Typ.)	16ms/230VAC(full load)			
Voltage range	95 ~ 264 VAC 135 ~ 373 VDC			
Frequency Range	47~63Hz			
Efficiency (Typ.)	83.5%	83.5%	84.5%	84.5%
AC input current	0.5A/115V, 0.28A/230VAC			
Impulse current	Cold Start: 25A/230VAC			
Leakage current	<2mA/240VAC			
Overload (Note 5)	Starting overload protection at 110%~150% of rated output power Protection method: isolation mode, which can automatically restore normal output after removing abnormal conditions			
Operating temperature	-20℃~+60℃ (Please refer to "Derating Curve")			
Working humidity	20-90% RH,no condensation			
Storage temperature and humidity	-40~ +85C, 10~ 95% RH			
Vibration resistance	10~ 500Hz, 3G 10 minutes/1cycle, X, Y, Z axis each 60 minutes;			
Safety regulations	UL60950-1.TUV EN60950-1 certified,IP67			
Pressure resistance	O/P-FG:0.5KVAC	I/P-O/P:1.5KVAC	I/P-FG:1.5KVAC	
Insulation impedance	I/P-O/P,I/P-FG,O/P-FG,:100M Ohms/500VDC/25℃/70% RH			
Electromagnetic Compatible Emissions	Complies with EN55022, Class A			
Size	182*30*20mm			



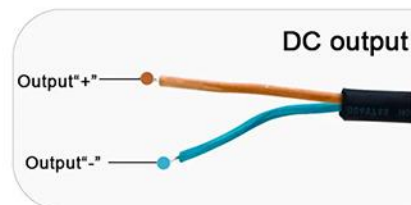
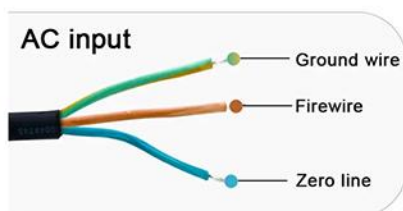
LPV-60- 12/24



Model number	LPV-60-12	LPV-60-24
DC voltage	12V	24V
Rated current	5.0A	2.5A
Current range	0~5.0A	0~2.5A
Rated power	60W	60W
Ripple and Noise Remarks	150mV _{p-p}	200mV _{p-p}
Voltage Accuracy	±5.0%	
Linear adjustment rate	±1.0%	
Load regulation rate	±2.0%	
Start-up, rise time	500ms, 50ms/115VAC 500ms, 50ms/230VAC	
Hold Time (Typ.)	18ms/115VAC 20ms/230VAC	
Voltage range	100-240VAC	
Frequency Range	50~60Hz	
Efficiency (Typ.)	88%	
AC input current	1.2A/115VAC	
Surge current	Blank type: Cold start 60A (twidth=900us tested at 50% I _{peak})/230VAC L type: Cold start 70A (twidth=900us tested at 50% I _{peak})/115VAC	
Leakage current	2.8mA/240VAC	
Overload	110~150% of rated output power Protection type: Hiccup mode, automatically restored after abnormal conditions are removed	
Overvoltage	13.5-18V 27-35V Protection type: Turn off output voltage, restore after restart	
Over Temperature	Turn off the output voltage and automatically recover after the temperature drops	
Operating temperature	-20°C~+65°C (Derating curve)	
Working humidity	20-90% RH, no condensation	
Storage temperature and humidity	-40~ +80°C, 10~ 95% RH	
temperature coefficient	±0.03%/°C (0-50°C)	
Vibration	10~500Hz, 2G 10 minutes/cycle, 60 minutes each for X, Y, and Z axes	
Safety regulations	Blank type: UL8750, CSA C22.2 No 250.13-12, UL879, CSA C22.2 No 207-M89, BIS IS15885 (LPV-60-12, 24 models only), EAC TP TC 004, IP67 certified, designed according to EN60950-1 L type: UL8750 (type "HL"), CSA C22.2 No 250.13-12, UL879, CSA C22.2 No. 207-M89, IP67 certified	
Pressure resistance	I/P-O/P: 3KVAC	
Insulation impedance	I/P-O/P > 100M Ohms/500VDC/25°C/70% RH	
Electromagnetic Compatible Emissions	Blank type: Complies with EN55032 (CISPR32) Class B, EN61000-3-2 Class A (≤80% load), EN61000-3-3, EAC TP TC 020 L type: Compliant with FCC Part 15	
Size	149*43*34mm	



LPV-100- 12/15/24/27

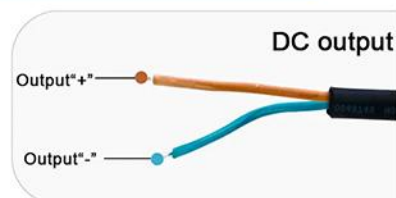
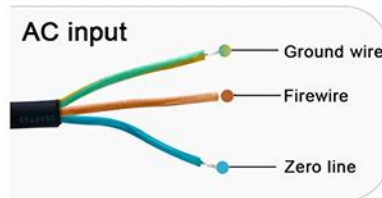


Model number	LPV-100-5	LPV-100-12	LPV-100-15	LPV-100-24
DC voltage	5V	12V	15V	24V
Rated current	15A	8.5A	6.7A	4.2A
Rated power	75W	102W	100.5W	100.8W
Ripples and noise	<80mV	<120mV	<120mV	<150mV
Voltage accuracy	4.75~5.5V	10.8~13.2V	13.5-16.5V	21.6-26.4V
Voltage Accuracy	±5.0%			
Linear adjustment rate	±1.0%			
Load regulation rate	±2.0%			
Start and rise holding time	2000ms, 25ms, 15ms: 115VAC 2000ms, 25ms, 50ms: 230VAC			
Voltage range	90 - 264 VAC 47Hz ~ 63Hz or 127 - 370 VDC			
Efficiency (Typ.)	>80%	>85%	>87%	>88%
AC Current (Typ.)	2.2A/110VAC 1.2A/230VAC			
Impulse current	220VAC : 60A			
Overload	When the rated output power is >105% -135% Protected mode: hiccup mode, which can be automatically recovered after removing the abnormal conditions.			
Overvoltage	Output voltage >115% -145% Protected mode: hiccup mode, which can be automatically recovered after removing the abnormal conditions.			
Operating temperature	-30°C~+70°C			
Working humidity	20-90% RH, no condensation			
Storage temperature and humidity	-40~ +85C, 10~ 95% RH			
Pressure resistance	I/P-O/P: 3K VAC			
Leakage current	Input to casing : < 2.5mA at 240VAC			
Isolation resistor	Input Output, Input Housing, Output Housing: 500VDC/100MΩ			
Size	190*49*34mm			

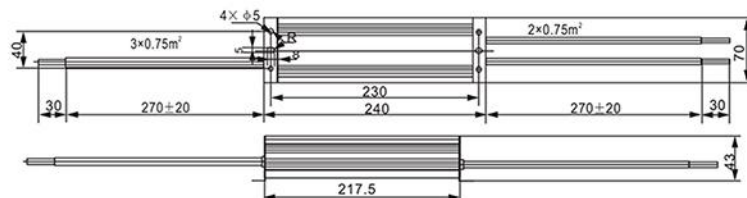


LPV-200-

12/13.5/15/24/27/48



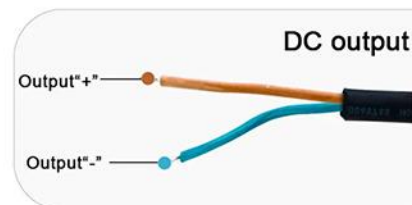
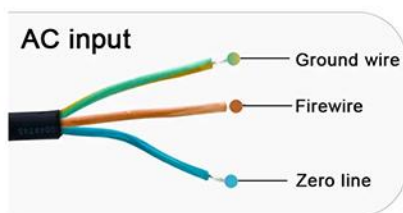
■ Product Size



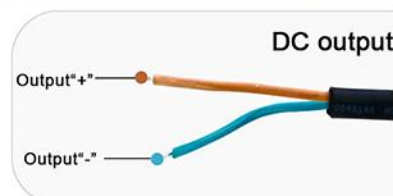
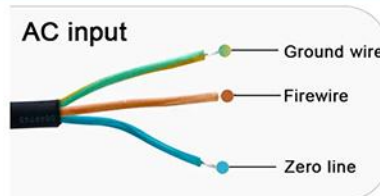
Model number	LPV-200-12	LPV-200-13.5	LPV-200-15	LPV-200-24	LPV-200-27	LPV-200-48
DC output voltage	12V	13.5V	15V	24V	27V	48V
DC output current	16.5A	14.7A	13A	8.3A	7.4A	4.2A
Error	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
Range	150mV	150mV	150mV	150mV	150mV	200mV
Efficiency	80%	82%	84%	84%	86%	86%
AC input voltage range	170-264VAC 47-63Hz 240-370VAC					
Input Current	2.5A/230V					
AC Inrush current	Cold-start current: 50A/230A					
Leakage current	<3.5mA/240VAC					
Overload protection	115% -135% cut off output. Reset: automatic recovery					
Over Temperature Protection	≥ 85 °C Cut off output, automatic recovery					
Waterproof grade	IP67					
Pressure resistance	I/P-O/P: 1.5KvAC 1 Minute I/P-FG:1.5KvAC 1 Minute O/P-FG:0.5KvAC 1 Minute					
Start, rise, hold time	200ms 100ms 30ms					
Working temperature and humidity	-10°C~ +60°C , 20%~90%RH					



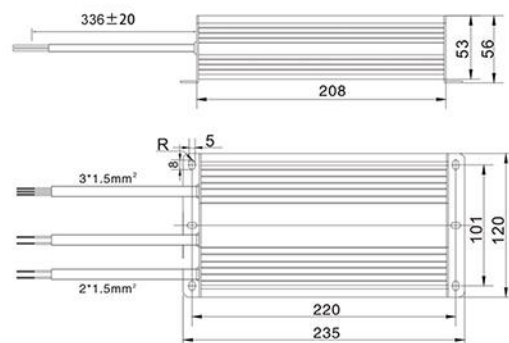
LPV-350-
12/15/24/36



Model number	LPV-350-12	LPV-350-15	LPV-350-24	LPV-350-36
DC output voltage	12V	15V	24V	36V
DC output current	29A	23A	14.5A	9.7A
Rated power	350W	350W	350W	350W
Ripples and noise	<120mV	<120mV	<200mV	<240mV
Voltage accuracy	$\pm 5\%$			
Load adjustment rate	$\pm 2\%$			
Linear adjustment rate	$\pm 1\%$			
Start, rise, hold time	2000ms 25ms 15ms:115VAC 2000ms 25ms 50ms:230VAC			
Voltage range	90-264VAC 47-63Hz 127-370VDC			
Frequency	>87%	>88%	>88%	>89%
Working current	4.5A/110VAC 2.7A/230VAC			
Impulse current	220VAC: 60A			
Leakage current	I/P-FG: 240VAC<2.5mA			
Pressure resistance	I/P-O/P:3KVAC 1 minute duration			
Overload protection	When the rated output power is>105% -135% Protected mode: Hiccup mode, which can be automatically restored after removing abnormal conditions.			
Overvoltage protection	When output voltage>115% -145%: Protected mode; Hiccup mode, which can automatically recover after removing abnormal conditions.			
Working temperature and humidity	-30°C~ +70°C , 20%~90%RH			
Storage temperature and humidity	-40°C~ +85°C , 10%~95%RH			
Isolation resistor	I/P-O/P,I/P-FG,O/P-FG:500DC/100MΩ			



■ Product Size

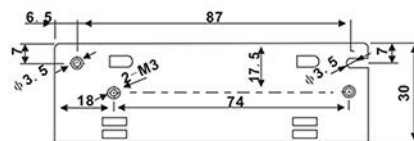
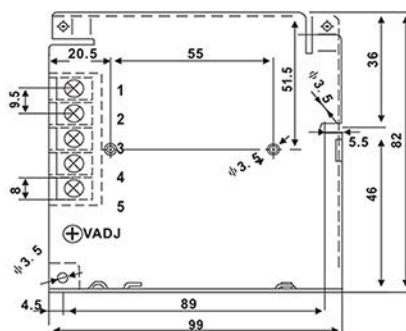


LPV-650- 12/13.5/15/24/27/48

Model number	LPV-650-24	LPV-650-36	LPV-650-48	LPV-650-60
DC output voltage	24 V	36V	48V	60V
DC output current	25A	18A	13.5A	10.8A
Output power	600W	650W	650W	650W
mVp-p	200mVp-p	220mVp-p	240mVp-p	240mVp-p
Voltage accuracy	±2%	±1.5%	±1.5%	±1.5%
Line regulation rate	±0.5%			
Load Regulation rate	±0.5%			
Start, rise, hold time	500ms, 50ms, 24ms/230VAC			
Input voltage range	180~264VAC, 245~373VDC			
Frequency range	47~63Hz			
Current input current	6.0A/230VAC			
Efficiency	91.50%	92.50%	93%	94%
Impulse current	65A/230VAC			
Leakage current	<2mA/240VAC			
Overload protection	Starting overcurrent limit of 95% -108% Of rated output current, automatic recovery After abnormal conditions are removed			
Overvoltage protection	Protection method: isolation mode, Which can automatically restore normal output After removing abnormal conditions			
	Protection method: isolation mode, which can automatically restore normal output after removing abnormal conditions			



- Product Size

LRS-50-

5/15/24/48

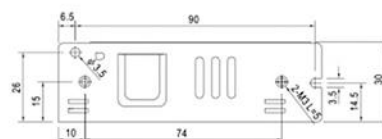
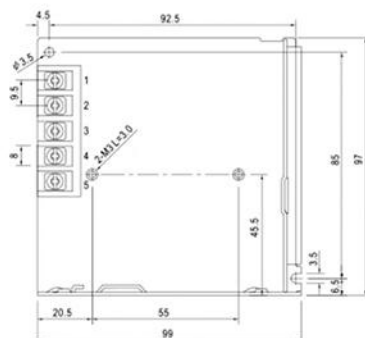
Model number	LRS-50-5	LRS-50-12	LRS-50-24	LRS-50-48
DC output voltage	5V	12V	24V	48V
DC output current	10A	4.1A	2.2A	1A
Rated power	50W	50W	50W	50W
Ripples and noise	79mV _{P-P}	120mV _{P-P}	160mV _{P-P}	200mV _{P-P}
Inlet stability	±0.5%	±0.5%	±0.5%	±0.5%
Load stability	±1.0%	±0.5%	±0.5%	±0.5%
Efficiency	81%	85%	88%	89%
Adjustable range of DC voltage	±10%	±10%	±10%	±10%
AC input voltage range	85-204VAC 120-360VAC			
AC Inrush current	Cold-start current: 45A/230A			
Overload protection	105% -130% cut off output. Reset: automatic recovery			
Overvoltage protection	5.9-7.3V 13.8-16.2V 28.8-33.6V 55.2-64.8V Protected mode: turn off the output voltage and restart the output			
Start and rise holding time	1000ms 30ms/230VAC 2000ms 30ms/115VAC			
Pressure resistance	Input to output room: 2.5KvAC, input to shell: 1.5KvAC, output to shell: 0.5KvAC for one minute I/P-O/P: 2.5KvAC, I/P-FG: 2.5KvAC,			
Isolation resistance	Between input and output, between input and casing, between output and casing: 500VDC/100MΩ I/P-O/P, I/P-FG, O/P-FG:500VDC/100MΩ			
Working temperature and humidity	-10°C~ +60°C , 20%~90%RH			
Safety standards	Design refer to GB4943,			
EMS standard	Design refer to GB9254, EN55022 ClassA			



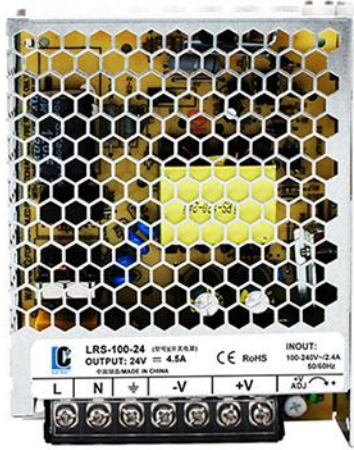
LRS-75-

5/15/24/48

■ Product Size



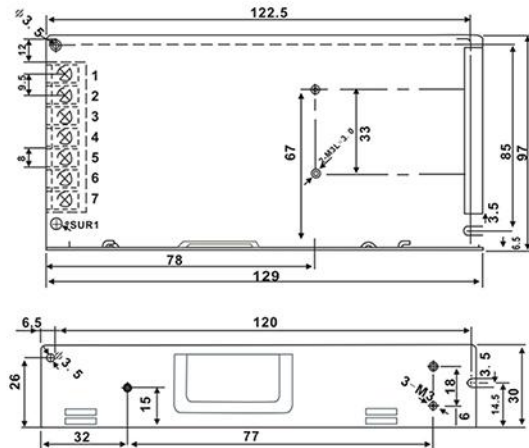
Model number	LRS-75-5 LRS-75-12 LRS-75-24 LRS-75-48			
DC output voltage	5V 12V 24V 48V			
DC output current	12A 6A 3.2A 1.6A			
Rated power	60W 72W 76.8W 76.8W			
Ripples and noise	100mV _{P-P} 150mV _{P-P} 200mV _{P-P} 200mV _{P-P}			
Current range	0-12A 0-6A 0-3.2A 0-1.6A			
Voltage adjustment range	4.5~5.5V 10.2~13.8V 21.6~28.8V 43.2~52.8V			
Voltage Accuracy	±2.0% ±1.0% ±1.0% ±1.0%			
Linear adjustment rate	±0.5% ±0.5% ±0.5% ±0.5%			
load regulation rate	±2.0% ±1.0% ±0.5% ±0.5%			
Start-up, rise time	500ms, 30mS/230VAC 1000ms, 30mS/115VAC (full load)			
Hold Time (Typ.)	370mS/230VAC 10mS/115VAC (full load)			
voltage range	85 ~ 264 VAC or 120 ~ 370 VDC			
Frequency Range	47~63Hz			
Efficiency	82%	87%	89%	90%
Input Current	1.5A/115VAC 0.85A/230VAC			
Power factor	<1.0mA/240VAC			
Overload protection	110% ~ 150% of rated output power Protected mode: burping protection, automatic recovery after removal of abnormal conditions			
Overvoltage protection	5.7~6.8V	14~17V	28~33V	55~65V
	Protected mode: turn off the output voltage, and recover automatically after the abnormal conditions are removed			
Operating temperature	-30°C~+70°C (Please refer to "Derating Curve")			
Working humidity	20-90% RH,no condensation			
Storage temperature and humidity	-40~ +85C, 10~ 95% RH			
Vibration resistance	10~ 500Hz, 5G 10 minutes/cycle, X, Y, Z axis each 60 minutes			
Pressurization	Input to output: 1.5KVAC; Input to ground: 1 5KVAC; Output to ground: 500VAC			
Insulation impedance	Input to output, input to ground, output to ground: 100Ohms/500VDC/25°C/70% RH			
Electromagnetic compatibility emission	Compliant with EN55032 class A			
Electromagnetic compatibility immunity	Compliant with EN61000-4-2			
Safety regulations	Complies with GB4943			



LRS-100-

5/12/24/48

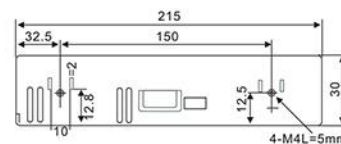
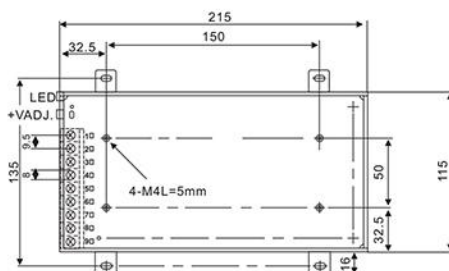
■ Product Size



Model number	LRS-100-5	LRS-100-12	LRS-100-24	LRS-100-48
DC output voltage	5V	12V	24V	48V
DC output current	18A	8.3A	4.1A	2A
Rated power	100W	100W	100W	100W
Ripples and noise	100mV _{P-P}	120mV _{P-P}	150mV _{P-P}	150mV _{P-P}
Inlet stability	±0.5%	±0.5%	±0.5%	±0.5%
Load stability	±1.0%	±0.5%	±0.5%	±0.5%
Efficiency	85%	88%	90%	91%
Adjustable range of DC voltage	±10%	±10%	±10%	±10%
AC input voltage range	85-204VAC 120-360VAC			
AC Inrush current	Cold-start current: 50A/230A			
Overload protection	105% -130% cut off output. Reset: automatic recovery			
Overvoltage protection	115%/145%Protected mode: turn off the output voltage and restart the output			
Start and rise holding time	500ms 55ms/230VAC 500ms 30ms/115VAC			
Pressure resistance	Input to output room: 4KvAC, input to shell: 2KvAC, output to shell: 1.25KvAC for one minute I/P-O/P: 2.5KvAC, I/P-FG: 2.5Kv4AC,			
Isolation resistance	Between input and output, between input and casing, between output and casing: 500VDC/100MΩ I/P-O/P, I/P-FG, O/P-FG: 500VDC/100MΩ			
Working temperature and humidity	-10°C~ +60°C , 20%~90%RH			
Safety standards	Design refer to GB4943,			
EMS standard	Design refer to GB9254, EN55022 ClassA			
Working humidity	20-90% RH,no condensation			



■ Product Size



LRS-200-

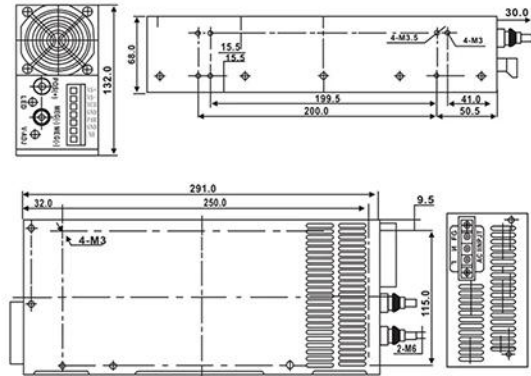
12/24/36/48

Model number	LRS-200-12	LRS-200-24	LRS-200-36	LRS-200-48
DC output voltage	12V	24V	36V	48V
DC output current	17A	8.8A	5.9A	4.4A
Rated power	200W	200W	200W	200W
Ripples and noise	150mV _{P-P}	150mV _{P-P}	150mV _{P-P}	200mV _{P-P}
Inlet stability	±0.5%	±0.5%	±0.5%	±0.5%
Load stability	±1.0%	±0.5%	±0.5%	±0.5%
Efficiency	87%	88%	90%	91%
Adjustable range of DC voltage	±10%	±10%	±10%	±10%
AC input voltage range	90-132VAC 180-264VAC			
AC Inrush current	Cold-start current: 60A/110A-230V			
Overload protection	105% -130% cut off output. Reset: automatic recovery			
Overvoltage protection	115%/145%Protected mode: turn off the output voltage and restart the output			
Start and rise holding time	1300ms 50ms/230VAC 1300ms 50ms/115VAC			
Pressure resistance	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:500VDC/100MΩ			
Working temperature and humidity	-10°C~ +60°C , 20%~90%RH			
Safety standards	Design refer to GB4943,			
EMS standard	Design refer to GB9254, EN55022 ClassA			

■ Product Size



S-1500- 12/13.5/15/24/50/(0-48)

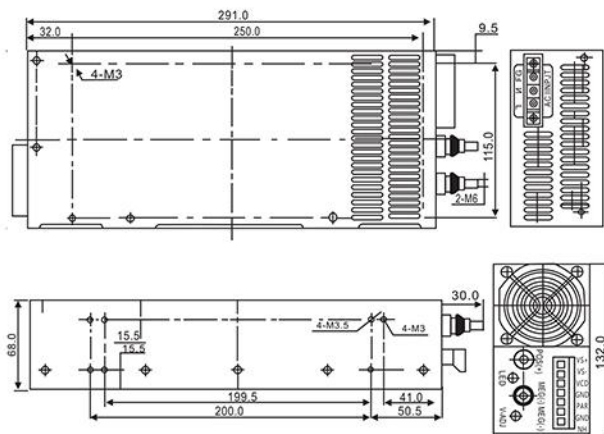


Specification	S-1500-12	S-1500-13.5	S-1500-15	S-1500-24	S-1500-50	S-1500-(0-48)
DC output voltage	12V	13.5V	15V	24V	50V	1V-48V
Output voltage range(Note:2)	±1%	±1%	±1%	±1%	±1%	±1%
Rated output current	120A	110A	100A	62A	30A	32A
Output current range	0~120A	0~110A	0~100A	0~62A	0~30A	Constant current 32A
Wave and noise (Note:3)	150mVp-p	150mVp-p	240mVp-p	240mVp-p	480mVp-p	480mVp-p
Inlet stability (Note:4)	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load stability (Note:5)	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
DC output power	1500W	1500W	1500W	1500W	1500W	31-1500W
Efficiency	85%	85%	87%	88%	89%	89%
Adjustable range for DC voltage	±10%	±10%	±10%	±10%	±10%	0-48V
AC input voltage range	190~240VAC/47~63Hz					
Input current	11A/230V					
AC Inrush current	150A/230V					
Leakage current	<3.5mA/240VAC					
Overload protection	105% --150% cut outputspring return,auto return					
Over-voltage protection	110-135%VO					
High-temperature protection	≥70°C Cut off output(0~50V)					
Temperature coefficient	±0.03%/°C(0~50°C)					
Setup, rise, hold up time	1.5s,50ms,20ms					
Vibration	10~500Hz.2G 10min,/1 cycle. Period for 60min,Each axes					
Withstand voltage	Input and output internal: 1.5KvAC, Input and enclosure: 1.5KvAC,Output and enclosure:0.5KvAC					
Isolation resistance	Input and output internal: Input and enclosure. Output and enclosure:500VDC/100MΩ					
Working temperature and humidity	-10°C~+60°C(Refer to output derating curve),20%~90%RH					
Store temperature and humidity	-20°C~+85°C,10%~95%RH					
Weight	2.35kgs					
Safety standards	Meet UL1950 requirement(Not apply for the mark)					
EMC standards	CISPR22(EN55022),IEC1000-4,2,3,4,5,6,8,11 IEC1000-3-2					

■ Product Size



S-2000- 12/24/36/(0-48)

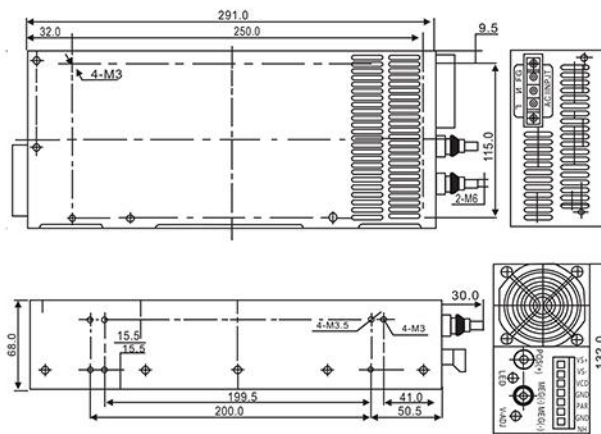


Specification	S-2000-12	S-2000-24	S-2000-36	S-2000-(0-48)
DC output voltage	12V	24V	36V	1-48V
Output voltage error (Note:2)	±1%	±1%	±1%	±1%
Rated output current	120A	83A	55A	41A Constant current
Output current range	0~120A	0~83A	0~55A	0~41A
Wave and noise (Note:3)	150mVp-p	150mVp-p	200mVp-p	200mVp-p
Inlet stability (Note:4)	±0.5%	±0.5%	±0.5%	±0.5%
Load stability (Note:5)	±0.5%	±0.5%	±0.5%	±0.5%
DC output power	1500W	1600W	1800W	2000W
Efficiency	84%	84%	85%	85.5%
Adjustable range for DC voltage	±10%	±10%	±10%	±10%
AC input voltage range	190~240VAC/47~63Hz			
Input current	7A/230V			
AC Input rush current	50A/230V			
Leakage current	<3.5mA/240VAC			
Overload protection	105% --150% cut output spring return, auto return			
Over-voltage protection	115-135% protect mode: cut output voltage, restart output			
High-temperature protection	≥70°C Cut off output (0~50V)			
Temperature coefficient	±0.03%/°C (0~50°C)			
Setup, rise, hold up time	1.5s, 50ms, 20ms			
Vibration	10~500Hz, 2G 10min./1 cycle. Period for 60min, Each axes			
Withstand voltage	Input and output internal: 1.5KvAC, Input and enclosure: 1.5KvAC, Output and enclosure: 0.5KvAC			
Isolation resistance	Input and output internal: Input and enclosure. Output and enclosure: 500VDC/100MΩ			
Working temperature and humidity	-10°C~+60°C (Refer to output derating curve), 20%~90%RH			
Store temperature and humidity	-20°C~+85°C, 10%~95%RH			
Weight	2.35kgs			
Safety standards	Meet UL1950 requirement (Not apply for the mark)			
EMC standards	CISPR22 (EN55022), IEC1000-4, 2, 3, 4, 5, 6, 8, 11 IEC1000-3-2			

■ Product Size



S-3000- 24/48



Specification	S-3000-24	S-3000-48
DC output voltage	24V	48V
Output voltage range (Note:2)	±1%	±1%
Rated output current	125A	62.5A
Output current range	0~125A	0~62.5A
Wave and noise (Note:3)	240mVp-p	480mVp-p
Inlet stability (Note:4)	±0.5%	±0.5%
Load stability (Note:5)	±0.5%	±0.5%
DC output power	2000W	48-2000W
Efficiency	86.5%	87%
Adjustable range for DC voltage	±10%	0-48V
AC input voltage range	190~240VAC/47~63Hz	
Input current	7A/230V	
AC Inrush current	50A/230V	
Leakage current	<3.5mA/240VAC	
Overload protection	105% ~150% cut output spring return, auto return	
Over-voltage protection	115-135% protect mode: cut output voltage, restart output	
High-temperature protection	≥70°C Cut off output (0~50V)	
Temperature coefficient	±0.03%/°C (0~50°C)	
Setup, rise, hold up time	1.5s, 50ms, 20ms	
Vibration	10~500Hz, 2G 10min./1 cycle. Period for 60min, Each axes	
Withstand voltage	Input and output internal: 1.5KvAC, Input and enclosure: 1.5KvAC, Output and enclosure: 0.5KvAC	
Isolation resistance	Input and output internal: Input and enclosure. Output and enclosure: 500VDC/100MΩ	
Working temperature and humidity	-10°C~+60°C (Refer to output derating curve), 20%~90%RH	
Store temperature and humidity	-20°C~+85°C, 10%~95%RH	
Weight	2.35kgs	
Safety standards	Meet UL1950 requirement (Not apply for the mark)	
EMC standards	CISPR22 (EN55022), IEC1000-4, 2, 3, 4, 5, 6, 8, 11 IEC1000-3-2	



FOR COMPREHENSIVE PRODUCT SELECTION DETAILS, KINDLY REACH OUT TO OUR SALES DEPARTMENT.
有关全面的产品选择详细信息，请联系我们的销售部门。



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