

Manufactured by FSP

FORTRON SOURCE DIN RAIL POWER SUPPLY

Slim Type DIN Rail Power Supply For All Purposes



FEATURES

- High Quality Metal Case
- Compact Design, Width 32mm
- 12V/24V/48V with 40W~120W Output
- Voltage Adjustable
- Low Ripple/Noise
- High Efficiency with Active PFC*
- Working Temp.: -25°C ~ 70°C
- Meet OVC II Standard
- Meet IEC 61010-1 Standard
- Global Safety Ready

POWER SUPPLY PART NUMBER

Output Capacity	Part Number	Input Voltage	Output Voltage	Output Current
40W	DR-040-B12AA	115~230V AC (Voltage range: 85~264 VAC / 110~375V DC)	12V	3.34A
	DR-040-B24AA		24V	1.67A
	DR-040-B48AA		48V	0.84A
60W	DR-060-B12AA		12V	5A
	DR-060-B24AA		24V	2.5A
	DR-060-B48AA		48V	1.25A
90W	DR-090-B12AA		12V	7.5A
	DR-090-B24AA		24V	3.75A
	DR-090-B48AA		48V	1.875A
120W	DR-120-B12AA		12V	10A
	DR-120-B24AA		24V	5A
	DR-120-B48AA		48V	1.875A

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DIN RAIL 12V / Model Name / Part Number		Output	DR-040-B12AA	DR-060-B12AA
Capacity			40W	60W
Input	Rated Input Voltage (Single-phase two-wire)		115~230V AC (Voltage range: 85~264 VAC / 110~375V DC)	115~230V AC (Voltage range: 85~264VAC / 110~375V DC)
	Frequency		50/60Hz	50/60Hz
	Input Current (Typ.)	115V AC	<1.0A	<1.4A
		230V AC	<0.6A	<0.8A
	Inrush Current		80A (typ.) (Ta=25°C, 230VAC Cold Start)	80A (typ.) (Ta=25°C, 230VAC Cold Start)
	Leakage Current		240V AC <1mA	<1mA
Efficiency	115V AC	88% (typ.) (full load)	88% (typ.) (full load)	
	230V AC	88% (typ.) (full load)	88% (typ.) (full load)	
Output	Rated Voltage/Current		12V DC / 3.34A	12V DC / 5A
	Adjustable Voltage Range		12~14V DC	12~14V DC
	Output Holding Time (Typ.)	115V AC	>20ms (full load)	>20ms (full load)
		230V AC	>60ms (full load)	>60ms (full load)
	Start Time	115V AC	<3s	<3s
		230V AC	<2s	<2s
	Rise Time	115V AC	<30ms	<30ms
		230V AC	<30ms	<30ms
	Regulation	Input Fluctuation	± 1%	± 1%
		Load Fluctuation	± 1%	± 1%
Ripple/Noise		<80 mVp-p	<80 mVp-p	
Supplementary Functions	Overcurrent Protection	115V AC	>5A, 3s	>7.5A, 3s
		230V AC	>5A, 3s	>7.5A, 3s
	Overvoltage Protection	115V AC	<16V DC	<16V DC
		230V AC	<16V DC	<16V DC
Operation Indicator		LED (Green)	LED (Green)	
Dielectric Strength	Between input and output terminals		3000V AC, 1min	3000V AC, 1min
Insulation Resistance	Between input and output terminals		>100 M ohm, 500V DC	>100 M ohm, 500V DC
Operating Temperature (no freezing)			-25 ~ +70°C >55 deg.C De-rate output power by 2.5%/deg C	-25 ~ +70°C >55 deg.C De-rate output power by 2.5%/deg C
Operating Humidity			5 to 95% RH, Non-condensing	5 to 95% RH, Non-condensing
Storage Temperature			-40 ~ +85°C	-40 ~ +85°C
Storage Humidity			95% RH, Non-condensing	95% RH, Non-condensing
Vibration Resistance			a. Swept Sine: 3g Frequency range; 10-250Hz Test duration; 15 min for each X, Y, Z axis (full load) b. 0.01g ² /Hz at 5Hz slopping to 0.02g ² /Hz at 20Hz, And maintain 0.02g ² /Hz from 20Hz ~ 500Hz PSD=3.13grms, 15 minutes/axis (full load)	a. Swept Sine: 3g Frequency range; 10-250Hz Test duration; 15 min for each X, Y, Z axis (full load) b. 0.01g ² /Hz at 5Hz slopping to 0.02g ² /Hz at 20Hz, And maintain 0.02g ² /Hz from 20Hz ~ 500Hz PSD=3.13grms, 15 minutes/axis (full load)
Shock Resistance			Operating: All sides except top; 10G, 11mSec. Half- sine wave pulse in both directions on three mutually perpendicular axes. (full load) Storage: All 6 sides; 40G, 6mSec. Half-sine wave pulse in both directions on three mutually perpendicular axes. (full load)	Operating: All sides except top; 10G, 11mSec. Half- sine wave pulse in both directions on three mutually perpendicular axes. (full load) Storage: All 6 sides; 40G, 6mSec. Half-sine wave pulse in both directions on three mutually perpendicular axes. (full load)
EMC	EMI		EN 55032 / CISPR 22	EN 55032 / CISPR 22
	EMS		EN 55024	EN 55024
Safety Standard			EN 61010	EN 61010
Safety Certification			CE, cCSAus, TUV, FCC	CE, cCSAus, TUV, FCC
Dimension (mm)			100L*32W*90D	100L*32W*90D
Weight (approx.)			330g	340g
Terminal Screw			M3	M3

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Slim Type DIN Rail Power Supply For All Purposes

DIN RAIL 12V / Model Name / Part Number		Output	DR-090-B12AB	DR-120-B12AB
Capacity			90W	120W
Input	Rated Input Voltage (Single-phase two-wire)		115~230V AC (Voltage range: 85~264VAC / 110~375V DC)	115~230V AC (Voltage range: 85~264VAC / 110~375V DC)
	Frequency		50/60Hz	50/60Hz
	Input Current (Typ.)	115V AC	<2.0A	<2.5A
		230V AC	<1.0A	<1.2A
	Inrush Current		"100A (typ.) (Ta=25°C, 230VAC Cold Start)"	"100A (typ.) (Ta=25°C, 230VAC Cold Start)"
	Leakage Current		240V AC <1mA	<1mA
Efficiency	115V AC	90% (typ.) (full load)	90% (typ.) (full load)	
	230V AC	90% (typ.) (full load)	90% (typ.) (full load)	
Output	Rated Voltage/Current		12V DC / 7.5A	12V DC / 10A
	Adjustable Voltage Range		11.5~12.5V DC	11.5~12.5V DC
	Output Holding Time (Typ.)	115V AC	>20ms (full load)	>20ms (full load)
		230V AC	>20ms (full load)	>20ms (full load)
	Start Time	115V AC	<3s	<3s
		230V AC	<2s	<2s
	Rise Time	115V AC	<40ms	<40ms
		230V AC	<40ms	<40ms
	Regulation	Input Fluctuation	± 2%	± 2%
		Load Fluctuation	± 2%	± 2%
Ripple/Noise		<150 mVp-p	<150 mVp-p	
Supplementary Functions	Overcurrent Protection	115V AC	>10.5A, 3s	>14A, 3s
		230V AC	>10.5A, 3s	>14A, 3s
	Overvoltage Protection	115V AC	<16V DC	<16V DC
		230V AC	<16V DC	<16V DC
Operation Indicator		LED (Green)	LED (Green)	
Dielectric Strength	Between input and output terminals		3000V AC, 1min	3000V AC, 1min
Insulation Resistance	Between input and output terminals		>100 M ohm, 500V DC	>100 M ohm, 500V DC
Operating Temperature (no freezing)			-25 ~ +70°C >55 deg.C De-rate output power by 2.5%/deg C	-25 ~ +70°C >55 deg.C De-rate output power by 2.5%/deg C
Operating Humidity			5 to 95% RH, Non-condensing	5 to 95% RH, Non-condensing
Storage Temperature			-40 ~ +85°C	-40 ~ +85°C
Storage Humidity			95% RH, Non-condensing	95% RH, Non-condensing
Vibration Resistance			a. Swept Sine: 3g Frequency range; 10-250Hz Test duration; 15 min for each X, Y, Z axis (full load) b. 0.01g ² /Hz at 5Hz slopping to 0.02g ² /Hz at 20Hz, And maintain 0.02g ² /Hz from 20Hz ~ 500Hz PSD=3.13grms, 15 minutes/axis (full load)	a. Swept Sine: 3g Frequency range; 10-250Hz Test duration; 15 min for each X, Y, Z axis (full load) b. 0.01g ² /Hz at 5Hz slopping to 0.02g ² /Hz at 20Hz, And maintain 0.02g ² /Hz from 20Hz ~ 500Hz PSD=3.13grms, 15 minutes/axis (full load)
Shock Resistance			Operating: All sides except top; 10G, 11mSec. Half- sine wave pulse in both directions on three mutually perpendicular axes. (full load) Storage: All 6 sides; 40G, 6mSec. Half-sine wave pulse in both directions on three mutually perpendicular axes. (full load)	Operating: All sides except top; 10G, 11mSec. Half- sine wave pulse in both directions on three mutually perpendicular axes. (full load) Storage: All 6 sides; 40G, 6mSec. Half-sine wave pulse in both directions on three mutually perpendicular axes. (full load)
EMC	EMI		EN 55032 / CISPR 22	EN 55032 / CISPR 22
	EMS		EN 55024	EN 55024
Safety Standard			EN 61010	EN 61010
Safety Certification			CE, cCSAus, TUV, FCC	CE, cCSAus, TUV, FCC
Dimension (mm)			120L*32W*100D	120L*32W*100D
Weight (approx.)			470g	470g
Terminal Screw			M3, M4	M3, M4

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DIN RAIL 24V / Model Name / Part Number		DR-040-B24AA	DR-060-B24AA	
Capacity		40W	60W	
Input	Rated Input Voltage (Single-phase two-wire)	115~230V AC (Voltage range: 85~264 VAC / 110~375V DC)	115~230V AC (Voltage range: 85~264VAC / 110~375V DC)	
	Frequency	50/60Hz	50/60Hz	
	Input Current (Typ.)	115V AC	<1.0A	<1.4A
		230V AC	<0.6A	<0.8A
	Inrush Current	230V AC (Ta=25°C, 230VAC Cold Start)	80A (typ.) (Ta=25°C, 230VAC Cold Start)	80A (typ.) (Ta=25°C, 230VAC Cold Start)
	Leakage Current	240V AC	<1mA	<1mA
Efficiency	115V AC	89% (typ.) (full load)	89% (typ.) (full load)	
	230V AC	89% (typ.) (full load)	89% (typ.) (full load)	
Output	Rated Voltage/Current	24V DC / 1.67A	24V DC / 2.5A	
	Adjustable Voltage Range	22~27V DC	22~27V DC	
	Output Holding Time (Typ.)	115V AC	>20ms (full load)	>20ms (full load)
		230V AC	>60ms (full load)	>60ms (full load)
	Start Time	115V AC	<3s	<3s
		230V AC	<2s	<2s
	Rise Time	115V AC	<40ms	<40ms
		230V AC	<40ms	<40ms
	Regulation	Input Fluctuation	± 1%	± 1%
		Load Fluctuation	± 1%	± 1%
Ripple/Noise		<120 mVp-p	<120 mVp-p	
Supplementary Functions	Overcurrent Protection	115V AC	>2.5A, 3s	>3.75A, 3s
		230V AC	>2.5A, 3s	>3.75A, 3s
	Overvoltage Protection	115V AC	<35V DC	<35V DC
		230V AC	<35V DC	<35V DC
Operation Indicator		LED (Green)	LED (Green)	
Dielectric Strength	Between input and output terminals	3000V AC, 1min	3000V AC, 1min	
Insulation Resistance	Between input and output terminals	>100 M ohm, 500V DC	>100 M ohm, 500V DC	
Operating Temperature (no freezing)		-25 ~ +70°C >55 deg.C De-rate output power by 2.5%/deg C	-25 ~ +70°C >55 deg.C De-rate output power by 2.5%/deg C	
Operating Humidity		5 to 95% RH, Non-condensing	5 to 95% RH, Non-condensing	
Storage Temperature		-40 ~ +85°C	-40 ~ +85°C	
Storage Humidity		95% RH, Non-condensing	95% RH, Non-condensing	
Vibration Resistance		a. Swept Sine: 3g Frequency range; 10-250Hz Test duration; 15 min for each X, Y, Z axis (full load) b. 0.01g ² /Hz at 5Hz slopping to 0.02g ² /Hz at 20Hz, And maintain 0.02g ² /Hz from 20Hz ~ 500Hz PSD=3.13grms, 15 minutes/axis (full load)	a. Swept Sine: 3g Frequency range; 10-250Hz Test duration; 15 min for each X, Y, Z axis (full load) b. 0.01g ² /Hz at 5Hz slopping to 0.02g ² /Hz at 20Hz, And maintain 0.02g ² /Hz from 20Hz ~ 500Hz PSD=3.13grms, 15 minutes/axis (full load)	
Shock Resistance		Operating: All sides except top; 10G, 11mSec. Half- sine wave pulse in both directions on three mutually perpendicular axes. (full load) Storage: All 6 sides; 40G, 6mSec. Half-sine wave pulse in both directions on three mutually perpendicular axes. (full load)	Operating: All sides except top; 10G, 11mSec. Half- sine wave pulse in both directions on three mutually perpendicular axes. (full load) Storage: All 6 sides; 40G, 6mSec. Half-sine wave pulse in both directions on three mutually perpendicular axes. (full load)	
EMC	EMI	EN 55032 / CISPR 22	EN 55032 / CISPR 22	
	EMS	EN 55024	EN 55024	
Safety Standard		EN 61010	EN 61010	
Safety Certification		CE, cCSAus, TUV, FCC	CE, cCSAus, TUV, FCC	
Dimension (mm)		100L*32W*90D	100L*32W*90D	
Weight (approx.)		330g	340g	
Terminal Screw		M3	M3	

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Slim Type DIN Rail Power Supply For All Purposes

DIN RAIL 24V / Model Name / Part Number		DR-090-B24AB	DR-120-B24AB	
Capacity		90W	120W	
Input	Rated Input Voltage (Single-phase two-wire)	115~230V AC (Voltage range: 85~264VAC / 110~375V DC)	115~230V AC (Voltage range: 85~264VAC / 110~375V DC)	
	Frequency	50/60Hz	50/60Hz	
	Input Current (Typ.)	115V AC	<2.0A	<2.5A
		230V AC	<1.0A	<1.2A
	Inrush Current	230V AC (Ta=25°C, 230VAC Cold Start)	100A (typ.) (Ta=25°C, 230VAC Cold Start)	100A (typ.) (Ta=25°C, 230VAC Cold Start)
	Leakage Current	240V AC	<1mA	<1mA
Efficiency	115V AC	90% (typ.) (full load)	90% (typ.) (full load)	
	230V AC	90% (typ.) (full load)	90% (typ.) (full load)	
Output	Rated Voltage/Current	24V DC / 3.75A	24V DC / 5A	
	Adjustable Voltage Range	23.5~25V DC	23.5~25V DC	
	Output Holding Time (Typ.)	115V AC	>20ms (full load)	>20ms (full load)
		230V AC	>20ms (full load)	>20ms (full load)
	Start Time	115V AC	<3s	<3s
		230V AC	<2s	<2s
	Rise Time	115V AC	<40ms	<40ms
		230V AC	<40ms	<40ms
	Regulation	Input Fluctuation	± 2%	± 2%
		Load Fluctuation	± 2%	± 2%
Ripple/Noise		<240 mVp-p	<240 mVp-p	
Supplementary Functions	Overcurrent Protection	115V AC	>5.25A, 3s	>7A, 3s
		230V AC	>5.25A, 3s	>7A, 3s
	Overvoltage Protection	115V AC	<35V DC	<35V DC
		230V AC	<35V DC	<35V DC
Operation Indicator		LED (Green)	LED (Green)	
Dielectric Strength	Between input and output terminals	3000V AC, 1min	3000V AC, 1min	
Insulation Resistance	Between input and output terminals	>100 M ohm, 500V DC	>100 M ohm, 500V DC	
Operating Temperature (no freezing)		-25 ~ +70°C >55 deg.C De-rate output power by 2.5%/deg C	-25 ~ +70°C >55 deg.C De-rate output power by 2.5%/deg C	
Operating Humidity		5 to 95% RH, Non-condensing	5 to 95% RH, Non-condensing	
Storage Temperature		-40 ~ +85°C	-40 ~ +85°C	
Storage Humidity		95% RH, Non-condensing	95% RH, Non-condensing	
Vibration Resistance		a. Swept Sine: 3g Frequency range; 10-250Hz Test duration; 15 min for each X, Y, Z axis (full load) b. 0.01g ² /Hz at 5Hz slopping to 0.02g ² /Hz at 20Hz, And maintain 0.02g ² /Hz from 20Hz ~ 500Hz PSD=3.13grms, 15 minutes/axis (full load)	a. Swept Sine: 3g Frequency range; 10-250Hz Test duration; 15 min for each X, Y, Z axis (full load) b. 0.01g ² /Hz at 5Hz slopping to 0.02g ² /Hz at 20Hz, And maintain 0.02g ² /Hz from 20Hz ~ 500Hz PSD=3.13grms, 15 minutes/axis (full load)	
Shock Resistance		Operating: All sides except top; 10G, 11mSec. Half- sine wave pulse in both directions on three mutually perpendicular axes. (full load) Storage: All 6 sides; 40G, 6mSec. Half-sine wave pulse in both directions on three mutually perpendicular axes. (full load)	Operating: All sides except top; 10G, 11mSec. Half- sine wave pulse in both directions on three mutually perpendicular axes. (full load) Storage: All 6 sides; 40G, 6mSec. Half-sine wave pulse in both directions on three mutually perpendicular axes. (full load)	
EMC	EMI	EN 55032 / CISPR 22	EN 55032 / CISPR 22	
	EMS	EN 55024	EN 55024	
Safety Standard		EN 61010	EN 61010	
Safety Certification		CE, cCSAus, TUV, FCC	CE, cCSAus, TUV, FCC	
Dimension (mm)		120L*32W*100D	120L*32W*100D	
Weight (approx.)		470g	470g	
Terminal Screw		M3, M4	M3, M4	

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Slim Type DIN Rail Power Supply For All Purposes

DIN RAIL 48V / Model Name / Part Number		DR-040-B48AA	DR-060-B48AA	
Capacity		40W	60W	
Input	Rated Input Voltage (Single-phase two-wire)	115~230V AC (Voltage range: 85~264 VAC / 110~375V DC)	115~230V AC (Voltage range: 85~264VAC / 110~375V DC)	
	Frequency	50/60Hz	50/60Hz	
	Input Current (Typ.)	115V AC	<1.0A	<1.4A
		230V AC	<0.6A	<0.8A
	Inrush Current	230V AC	80A (typ.) (Ta=25°C, 230VAC Cold Start)	80A (typ.) (Ta=25°C, 230VAC Cold Start)
	Leakage Current	240V AC	<1mA	<1mA
Efficiency	115V AC	89% (typ.) (full load)	89% (typ.) (full load)	
	230V AC	89% (typ.) (full load)	89% (typ.) (full load)	
Output	Rated Voltage/Current	48V DC / 0.84A	48V DC / 1.25A	
	Adjustable Voltage Range	46~50V DC	46~50V DC	
	Output Holding Time (Typ.)	115V AC	>20ms (full load)	>20ms (full load)
		230V AC	>60ms (full load)	>60ms (full load)
	Start Time	115V AC	<3s	<3s
		230V AC	<2s	<2s
	Rise Time	115V AC	<60ms	<60ms
		230V AC	<60ms	<60ms
	Regulation	Input Fluctuation	± 1%	± 1%
		Load Fluctuation	± 1%	± 1%
Ripple/Noise		<240 mVp-p	<240 mVp-p	
Supplementary Functions	Overcurrent Protection	115V AC	>1.25A, 3s	>1.87A, 3s
		230V AC	>1.25A, 3s	>1.87A, 3s
	Overvoltage Protection	115V AC	<57V DC	<57V DC
		230V AC	<57V DC	<57V DC
Operation Indicator		LED (Green)	LED (Green)	
Dielectric Strength	Between input and output terminals	3000V AC, 1min	3000V AC, 1min	
Insulation Resistance	Between input and output terminals	>100 M ohm, 500V DC	>100 M ohm, 500V DC	
Operating Temperature (no freezing)		-25 ~ +70°C >55 deg.C De-rate output power by 2.5%/deg C	-25 ~ +70°C >55 deg.C De-rate output power by 2.5%/deg C	
Operating Humidity		5 to 95% RH, Non-condensing	5 to 95% RH, Non-condensing	
Storage Temperature		-40 ~ +85°C	-40 ~ +85°C	
Storage Humidity		95% RH, Non-condensing	95% RH, Non-condensing	
Vibration Resistance		a. Swept Sine: 3g Frequency range; 10-250Hz Test duration; 15 min for each X, Y, Z axis (full load) b. 0.01g ² /Hz at 5Hz slopping to 0.02g ² /Hz at 20Hz, And maintain 0.02g ² /Hz from 20Hz ~ 500Hz PSD=3.13grms, 15 minutes/axis (full load)	a. Swept Sine: 3g Frequency range; 10-250Hz Test duration; 15 min for each X, Y, Z axis (full load) b. 0.01g ² /Hz at 5Hz slopping to 0.02g ² /Hz at 20Hz, And maintain 0.02g ² /Hz from 20Hz ~ 500Hz PSD=3.13grms, 15 minutes/axis (full load)	
Shock Resistance		Operating: All sides except top; 10G, 11mSec. Half- sine wave pulse in both directions on three mutually perpendicular axes. (full load) Storage: All 6 sides; 40G, 6mSec. Half-sine wave pulse in both directions on three mutually perpendicular axes. (full load)	Operating: All sides except top; 10G, 11mSec. Half- sine wave pulse in both directions on three mutually perpendicular axes. (full load) Storage: All 6 sides; 40G, 6mSec. Half-sine wave pulse in both directions on three mutually perpendicular axes. (full load)	
EMC	EMI	EN 55032 / CISPR 22	EN 55032 / CISPR 22	
	EMS	EN 55024	EN 55024	
Safety Standard		EN 61010	EN 61010	
Safety Certification		CE, cCSAus, TUV, FCC	CE, cCSAus, TUV, FCC	
Dimension (mm)		100L*32W*90D	100L*32W*90D	
Weight (approx.)		330g	340g	
Terminal Screw		M3	M3	

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Slim Type DIN Rail Power Supply For All Purposes

DIN RAIL 48V / Model Name / Part Number		DR-090-B48AB	DR-120-B48AB	
Capacity		90W	120W	
Input	Rated Input Voltage (Single-phase two-wire)	115~230V AC (Voltage range: 85~264VAC / 110~375V DC)	115~230V AC (Voltage range: 85~264VAC / 110~375V DC)	
	Frequency	50/60Hz	50/60Hz	
	Input Current (Typ.)	115V AC	<2.0A	<2.5A
		230V AC	<1.0A	<1.2A
	Inrush Current	230V AC	100A (typ.) (Ta=25°C, 230VAC Cold Start)	100A (typ.) (Ta=25°C, 230VAC Cold Start)
	Leakage Current	240V AC	<1mA	<1mA
Efficiency	115V AC	90% (typ.) (full load)	90% (typ.) (full load)	
	230V AC	90% (typ.) (full load)	90% (typ.) (full load)	
Output	Rated Voltage/Current	48V DC / 1.875A	48V DC / 2.5A	
	Adjustable Voltage Range	47.5~49.5V DC	47.5~49.5V DC	
	Output Holding Time (Typ.)	115V AC	>20ms (full load)	>20ms (full load)
		230V AC	>20ms (full load)	>20ms (full load)
	Start Time	115V AC	<3s	<3s
		230V AC	<2s	<2s
	Rise Time	115V AC	<40ms	<40ms
		230V AC	<40ms	<40ms
	Regulation	Input Fluctuation	± 2%	± 2%
Load Fluctuation		± 2%	± 2%	
Ripple/Noise		<300 mVp-p	<300 mVp-p	
Supplementary Functions	Overcurrent Protection	115V AC	>2.62A, 3s	>3.5A, 3s
		230V AC	>2.62A, 3s	>3.5A, 3s
	Overvoltage Protection	115V AC	<63V DC	<63V DC
		230V AC	<63V DC	<63V DC
Operation Indicator		LED (Green)	LED (Green)	
Dielectric Strength	Between input and output terminals	3000V AC, 1min	3000V AC, 1min	
Insulation Resistance	Between input and output terminals	>100 M ohm, 500V DC	>100 M ohm, 500V DC	
Operating Temperature (no freezing)		-25 ~ +70°C >55 deg.C De-rate output power by 2.5%/deg C	-25 ~ +70°C >55 deg.C De-rate output power by 2.5%/deg C	
Operating Humidity		5 to 95% RH, Non-condensing	5 to 95% RH, Non-condensing	
Storage Temperature		-40 ~ +85°C	-40 ~ +85°C	
Storage Humidity		95% RH, Non-condensing	95% RH, Non-condensing	
Vibration Resistance		a. Swept Sine: 3g Frequency range; 10-250Hz Test duration; 15 min for each X, Y, Z axis (full load) b. 0.01g ² /Hz at 5Hz slopping to 0.02g ² /Hz at 20Hz, And maintain 0.02g ² /Hz from 20Hz ~ 500Hz PSD=3.13grms, 15 minutes/axis (full load)	a. Swept Sine: 3g Frequency range; 10-250Hz Test duration; 15 min for each X, Y, Z axis (full load) b. 0.01g ² /Hz at 5Hz slopping to 0.02g ² /Hz at 20Hz, And maintain 0.02g ² /Hz from 20Hz ~ 500Hz PSD=3.13grms, 15 minutes/axis (full load)	
Shock Resistance		Operating: All sides except top; 10G, 11mSec. Half- sine wave pulse in both directions on three mutually perpendicular axes. (full load) Storage: All 6 sides; 40G, 6mSec. Half-sine wave pulse in both directions on three mutually perpendicular axes. (full load)	Operating: All sides except top; 10G, 11mSec. Half- sine wave pulse in both directions on three mutually perpendicular axes. (full load) Storage: All 6 sides; 40G, 6mSec. Half-sine wave pulse in both directions on three mutually perpendicular axes. (full load)	
EMC	EMI	EN 55032 / CISPR 22	EN 55032 / CISPR 22	
	EMS	EN 55024	EN 55024	
Safety Standard		EN 61010	EN 61010	
Safety Certification		CE, cCSAus, TUV, FCC	CE, cCSAus, TUV, FCC	
Dimension (mm)		120L*32W*100D	120L*32W*100D	
Weight (approx.)		470g	470g	
Terminal Screw		M3, M4	M3, M4	