

LED rainproof power supply 50W

- 170~264VAC AC input
- Small volume, low weight,high efficiency
- Protections: short circuit/over load
- Cooling by free air convection
- Fully encapsulated with IP44 level
- 100% full load burn-in test
- 2 Year warranty



FS-50W

Model		FS-50-12	FS-50-15	FS-50-24	FS-50-36
OUTPUT	DC voltage	12V	15V	24V	36V
	Voltage tolerance	±1%	±1%	±1%	±1%
	Rated current	4.2A	3.4A	2.1A	1.4
	Current range	0~4.2A	0~3.4A	0~2.1A	0~1.4A
	Rated power	50.4W	51W	50.4W	50.4W
	Ripple&noise	150mvp-p	150mvp-p	150mvp-p	200mvp-p
	DCvoltage ADJ.range	±10%	±10%	±10%	±10%
INPUT	Voltage range	170~264VAC, 255~373VDC			
	Frequency	47~63Hz			
	AC current	0.6A/230VAC			
	Efficiency	82%	82%	84%	85%
	Inrush current	Cold start current 30A/230VAC			
	Leakage current	< 3.5mA/240VAC			
PROTECTION	Overload	Rated output power115%~150% start over load protection			
		protection type: hiccup mode, auto-recovery after fault condition is removed			
ENVIRONMEN T	Working temp,humidity	-10℃~+60℃, 20%~90%RH			
	Storage temp,humid	-20℃~+85℃, 10%~95%RH non-condensing			
	Withstand vibration	10~500HZ, 2G 10min/1cycle, period for 60 minutes, each			
SAFETY	Withstand voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
	Isolated resistance	I/P-O/P,I/P-FG,O/P-FG: 100M ohms/500VDC			
FITSTANDARD	Safety standard	Fit UL1012 IP44			
	EMC standard	meet EN55022, CLASSA			
OTHERS	Dimension	141*111*50mm (L*W*H)			
	Weight/packing	0.68kg/40pcs/28.2kg/0.046m³/1.64CUFT			
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.				
	2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.				
	3. Tolerance : includes set up tolerance, line regulation and load regulation.				

LED rainproof power supply 100W

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FS-100W					
Model		FS-100-12	FS-100-15	FS-100-24	FS-100-36
OUTPUT	DC voltage	12V	15V	24V	36V
	Voltage tolerance	±1%	±1%	±1%	±1%
	Rated current	8.5A	6.7A	4.2A	2.8
	Current range	0~8.5A	0~6.7A	0~4.2A	0~2.8A
	Rated power	102W	100.5W	100.8W	100.8W
	Ripple&noise	150mvp-p	150mvp-p	150mvp-p	200mvp-p
	DCvoltage ADJ.range	±10%	±10%	±10%	±10%
INPUT	Voltage range	170~264VAC, 255~373VDC			
	Frequency	47~63Hz			
	AC current	1.2A/230VAC			
	Efficiency	82%	82%	84%	85%
	Inrush current	Cold start current 45A/230VAC			
	Leakage current	< 3.5mA/240VAC			
PROTECTION	Overload	Rated output power115%~150% start over load protection protection type: hiccup mode, auto-recovery after fault condition is removed			
	Over voltage	15.6~17.8V	18.6~20.8V	30.6~33.2V	42.6~44.2V
ENVIRONME NT	Working temp,humidity	-10℃~+60℃, 20%~90%RH			
	Storage temp,humid	-20℃~+85℃, 10%~95%RH non-condensing			
	Withstand vibration	10~500Hz, 2G 10min/1cycle, period for 60 minutes, each axes			
SAFETY	Withstand voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
	Isolated resistance	I/P-O/P,I/P-FG,O/P-FG: 100M ohms/500VDC			
FITSTANDAR DS	Safety standard	Fit UL1012 IP44			
	EMC standard	meet EN55022, CLASSA			
OTHERS	Dimension	206*125*50mm (L*W*H)			
	Weight/packing	0.87kg/20pcs/18.5kg/0.039m³/1.36CUFT			
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.				
	2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.				
	3. Tolerance : includes set up tolerance, line regulation and load regulation.				

LED rainproof power supply 150W

- 170~264VAC AC input
- Small volume, low weight, high efficiency
- Protections: short circuit/over load
- Cooling by free air convection
- Fully encapsulated with IP44 level
- 100% full load burn-in test
- 2 Year warranty



FS-150W					
Model		FS-150-12	FS-150-15	FS-150-24	FS-150-36
OUTPUT	DC voltage	12V	15V	24V	36V
	Voltage tolerance	±1%	±1%	±1%	±1%
	Rated current	12.5A	10A	6.5A	4.2
	Current range	0~12.5A	0~10A	0~6.5A	0~4.2A
	Rated power	150W	150W	156W	151.2W
	Ripple&noise	150mvp-p	150mvp-p	150mvp-p	200mvp-p
	DCvoltage ADJ.range	±10%	±10%	±10%	±10%
INPUT	Voltage range	170~264VAC, 255~373VDC			
	Frequency	47~63Hz			
	AC current	1.8A/230VAC			
	Efficiency	82%	82%	84%	85%
	Inrush current	Cold start current 45A/230VAC			
	Leakage current	< 3.5mA/240VAC			
PROTECTION	Overload	Rated output power105%~135% start over load protection			
		protection type: hiccup mode,auto-recovery after fault condition is removed			
PROTECTION	Over voltage	15.6~17.8V	18.6~20.8V	30.6~33.2V	42.6~44.2V
		protection type: hiccup mode, auto-recovery after fault condition is removed			
ENVIRONMEN T	Working temp,humidity	-10℃~+60℃, 20%~90%RH			
	Storage temp,humid	-20℃~+85℃, 10%~95%RH non-condensing			
	Withstand vibration	10~500Hz, 2G 10min/1cycle, period for 60 minutes, each			
SAFETY	Withstand voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
	Isolated resistance	I/P-O/P,I/P-FG,O/P-FG: 100M ohms/500VDC			
FITSTANDARD S	Safety standard	Fit UL1012 IP44			
	EMC standard	meet EN55022, CLASSA			
OTHERS	Dimension	206*125*50mm (L*W*H)			
	Weight/packing	0.87kg/20pcs/18.5kg/0.039m³/1.36CUFT			
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.				
	2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.				
	3. Tolerance : includes set up tolerance, line regulation and load regulation.				

LED rainproof power supply 200W

- 170~264VAC AC input
- Small volume, low weight, high efficiency
- Protections: short circuit/over load
- Cooling by free air convection
- Fully encapsulated with IP44 level
- 100% full load burn-in test
- 2 Year warranty



FS-200W					
Model		FS-200-12	FS-200-15	FS-200-24	FS-200-36
OUTPUT	DC voltage	12V	15V	24V	36V
	Voltage tolerance	±1%	±1%	±1%	±1%
	Rated current	16.6A	13A	8.3A	5.5
	Current range	0~16.6A	0~13A	0~8.3A	0~5.5A
	Rated power	199.2W	195W	199.2W	198W
	Ripple&noise	150mvp-p	150mvp-p	150mvp-p	200mvp-p
	DCvoltage ADJ.range	±10%	±10%	±10%	±10%
INPUT	Voltage range	170~264VAC, 255~373VDC			
	Frequency	47~63HZ			
	AC current	2.5A/230VAC			
	Efficiency	82%	82%	84%	85%
	Inrush current	Cold start current 45A/230VAC			
	Leakage current	< 3.5mA/240VAC			
PROTECTION	Overload	Rated output power105%~135% start over load protection			
		protection type: hiccup mode, auto-recovery after fault condition is removed			
ENVIRONMEN T	Over voltage	15.6~17.8V	18.6~20.8V	30.6~33.2V	42.6~44.2V
		protection type: hiccup mode, auto-recovery after fault condition is removed			
SAFETY	Working temp,humidity	-10℃~+60℃, 20%~90%RH			
	Storage temp,humid	-20℃~+85℃, 10%~95%RH non-condensing			
	Withstand vibration	10~500HZ, 2G 10min/1cycle, period for 60 minutes, each			
FITSTANDARD S	Withstand voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
	Isolated resistance	I/P-O/P,I/P-FG,O/P-FG: 100M ohms/500VDC			
OTHERS	Safety standard	Fit UL1012 IP44			
	EMC standard	meet EN55022, CLASSA			
NOTE	Dimension	206*125*50mm (L*W*H)			
	Weight/packing	0.9kg/20pcs/19kg/0.039m³/1.36CUFT			
NOTE		1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.			
NOTE		2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.			
NOTE		3. Tolerance : includes set up tolerance, line regulation and load regulation.			

LED rainproof power supply 250W

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- 2 Year warranty



FS-250W

Model	FS-250-12	FS-250-15	FS-250-24	FS-250-36	
OUTPUT	DC voltage	12V	15V	24V	36V
	Voltage tolerance	±1%	±1%	±1%	±1%
	Rated current	20A	16A	10A	7
	Current range	0~20A	0~16A	0~10A	0~7A
	Rated power	240W	240W	240W	252W
	Ripple&noise	150mvp-p	150mvp-p	200mvp-p	200mvp-p
	DCvoltage ADJ.range	±10%	±10%	±10%	±10%
INPUT	Voltage range	180~264VAC, 255~373VDC			
	Frequency	47~63Hz			
	AC current	2.8A/230VAC			
	Efficiency	82%	82%	84%	85%
	Inrush current	Cold start current 50A/230VAC			
	Leakage current	< 3.5mA/240VAC			
PROTECTION	Overload	Rated output power105%~135% start over load protection protection type:hiccup mode,auto-recovery after fault condition is removed			
		15.6~17.8V	18.6~20.8V	30.6~33.2V	42.6~44.2V
	Over voltage	protection type: hiccup mode, auto-recovery after fault condition is removed			
	Over temperature	TSW1detect on heatsink of power transistor≥85℃±5℃, start over temperature protection protection type: hiccup mode, auto-recovery after temperature become normal			
ENVIRONMEN T	Working temp,humidity	-10℃~+60℃, 20%~90%RH			
	Storagetemp,humid	-20℃~+85℃, 10%~95%RH non-condensing			
	Withstand vibration	10~500Hz, 2G 10min/1cycle, period for 60 minutes, each			
SAFETY	Withstand voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
	Isolated resistance	I/P-O/P,I/P-FG,O/P-FG: 100M ohms/500VDC			
FITSTANDARD S	Safety standard	Fit UL1012 IP44			
	EMC standard	meet EN55022, CLASSA			
OTHERS	Dimension	236*135*65mm (L*W*H)			
	Weight/packing	1.35kg/12pcs/17kg/0.039m³/1.36CUFT			
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.				
	2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.				
	3. Tolerance : includes set up tolerance, line regulation and load regulation.				

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FS-350W					
Model		FS-350-12	FS-350-15	FS-350-24	FS-350-36
OUTPUT	DC voltage	12V	15V	24V	36V
	Voltage tolerance	±1%	±1%	±1%	±1%
	Rated current	29A	23.2A	14.5A	10
	Current range	0~29A	0~23.2A	0~14.5A	0~10A
	Rated power	348W	348W	348W	360W
	Ripple&noise	150mvp-p	150mvp-p	200mvp-p	200mvp-p
	DCvoltage ADJ.range	±10%	±10%	±10%	±10%
INPUT	Voltage range	180~264VAC, 255~373VDC			
	Frequency	47~63Hz			
	AC current	3.5A/230VAC			
	Efficiency	82%	82%	84%	85%
	Inrush current	Cold start current 50A/230VAC			
	Leakage current	< 3.5mA/240VAC			
PROTECTION	Overload	Rated output power110%~135% start over load protection protection type: hiccup mode, auto-recovery after fault condition is removed			
	Over voltage	15.6~17.8V	18.6~20.8V	30.6~33.2V	42.6~44.2V
	Over temperature	TSW1detect on heatsink of power transistor≥85℃±5℃, start over temperature protection			
		protection type: hiccup mode, auto-recovery after temperature become normal			
ENVIRONMENT	Working temp,humidity	-10℃~+60℃, 20%~90%RH			
	Storage temp,humid	-20℃~+85℃, 10%~95%RH non-condensing			
	Withstand vibration	10~500HZ, 2G 10min/1cycle, period for 60 minutes, each			
SAFETY	Withstand voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
	Isolated resistance	I/P-O/P,I/P-FG,O/P-FG: 100M ohms/500VDC			
FITSTANDARDS	Safety standard	Fit UL1012 IP44			
	EMC standard	meet EN55022,CLASSA			
OTHERS	Dimension	236*135*65mm (L*W*H)			
	Weight/packing	1.4kg/12pcs/17.5kg/0.039m³/1.36CUFT			
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.				
	2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.				
	3. Tolerance : includes set up tolerance, line regulation and load regulation				

LED rainproof power supply 400W

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- 2 Year warranty



FS-400W					
Model		FS-400-12	FS-400-15	FS-400-24	FS-400-36
OUTPUT	DC voltage	12V	15V	24V	36V
	Voltage tolerance	±1%	±1%	±1%	±1%
	Rated current	33A	27A	16.5A	11
	Current range	0~33A	0~27A	0~16.5A	0~11A
	Rated power	396W	405W	396W	396W
	Ripple&noise	150mvp-p	150mvp-p	200mvp-p	200mvp-p
	DCvoltage ADJ.range	±10%	±10%	±10%	±10%
INPUT	Voltage range	180~264VAC, 255~373VDC			
	Frequency	47~63Hz			
	AC current	4.0A/230VAC			
	Efficiency	82%	82%	84%	85%
	Inrush current	Cold start current 50A/230VAC			
	Leakage current	< 3.5mA/240VAC			
PROTECTION	Overload	Rated output power105%~135% start over load protection			
		protection type: hiccup mode, auto-recovery after fault condition is			
	Over voltage	15.6~17.8V	18.6~20.8V	30.6~33.2V	42.6~44.2V
		protection type: hiccup mode, auto-recovery after fault condition is removed			
Over temperature	TSW1 detect on heatsink of power transistor≥85℃±5℃, start over temperature protection				
	protection type: hiccup mode, auto-recovery after temperature become normal				
ENVIRONMEN T	Working temp,humidity	-10℃~+60℃, 20%~90%RH			
	Storagetemp,humid	-20℃~+85℃, 10%~95%RH non-condensing			
	Withstand vibration	10~500Hz, 2G 10min/1cycle, period for 60 minutes, each axes			
SAFETY	Withstand voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
	Isolated resistance	I/P-O/P,I/P-FG,O/P-FG: 100M ohms/500VDC			
FITSTANDARD S	Safety standard	Fit UL1012 IP44			
	EMC standard	meet EN55022, CLASSA			
OTHERS	Dimension	236*135*65mm (L*W*H)			
	Weight/packing	1.4kg/12pcs/17.5kg/0.039m³/1.36CUFT			
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.				
	2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.				
	3. Tolerance : includes set up tolerance, line regulation and load regulation.				