

应用领域
Application

高铁	CRH
飞机	The plane
船舶	The ship
中频电炉	Medium frequency
冰箱	Refrigerator
医疗设备	Medical equipment
汽车工业	Automobile industry
豆浆机	Soybeam milk machine
智能马桶	Valtoo
电暖器	Elctric heater
电吹风	Hair dryer
壁炉	Fireplace
干衣机	Clothes dryers
投影仪	Projector
碎纸机	Shredder
电水壶	Electric kettle
塑封机	Sealing machine
烤面包机	Toaster
咖啡机	Coffee machine
煎药壶	Decocting pot
饮水机	Water dispenser
微波炉	Microwave ovens
热水器	Water heater



亮群股份有限公司

亮群电子（常熟）有限公司（亚太大陆工厂生产基地）

地址：江苏省常熟经济开发区高新技术产业园宁波路88号
ADD: No.88 Ningbo road, Garden of New Hi-tech Industry,
Changshu, Jiangsu, China

电话/TEL: 0512-51539738
传真/FAX: 0512-52843553
E-mail: tom@lccs.com.cn

[Http://www.lccs.com.cn](http://www.lccs.com.cn)

亮群电子(常熟)有限公司
LIGHT COUNTRY



亮群股份有限公司

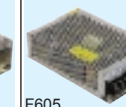
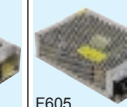
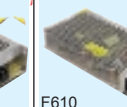


25W~350W Single Output E Series

Features:

- Economical design, competitive price
- Top international brand components for key parts
- Built-in EMI filter
- Compact size, high reliability

- Approvals: CE (LVD)
- Protections: overload/ over voltage/ short circuit/ over temperature (HF350W-SE)
- 2 years warranty

Product picture								
Model No.	HF25W-SE	HF35W-SE	HF55W-SE	HF75W-SE	HF100W-SE	HF150W-SE	HF200W-SE	HF350W-SE
Dimension (mm)	100×58×31	98.5×82×35	99×97×38	129×98×40	160×98×39	160×98×39	199×98×39	215×115×50
Weight & packing (/CTN)	0.15kg, 108pcs	0.24kg, 60pcs	0.27kg, 42pcs	0.38kg, 42pcs	0.43kg, 30pcs	0.41kg, 30pcs	0.53kg, 28pcs	0.89kg, 16pcs
AC input voltage range	170~264VAC (210~370VDC)							
Input frequency	47~63Hz							
Inrush current	cold start, 40A/230VAC							60A/230VAC
Input leakage current	< 0.7mA/ 230VAC							
Line regulation (full load)	≤ ± 0.5%							
Voltage adjust range	± 10%							
Overload protection	built-in IC protection, hiccup mode, auto recovery			105~150%, hiccup mode, auto recovery				105~130%, shut off, re-power on to recover
Over voltage protection	clamping by zener diode			115~150%, hiccup mode, auto recovery				115~150% shut off, re-power on to recover
Withstand voltage	I/P -O/P: 3.0KVAC/1min; I/P -F/G: 1.5KVAC/1min; O/P-F/G: 0.5KVAC/1min							
Rise time	50ms							
Hold up time	20ms							
Operating temperature	-20℃~+70℃ (refer to the derating curve)							
Safety standards	design meet GB4943, UL60950, EN60950							
Cooling method	convection							fan

25W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF25W-SE-5	5V	5.0A	0.5%	80mV	70%
HF25W-SE-12	12V	2.0A	0.5%	120mV	81%
HF25W-SE-15	15V	1.6A	0.5%	120mV	82%
HF25W-SE-24	24V	1.0A	0.5%	150mV	84%
HF25W-SE-48	48V	0.5A	0.5%	150mV	85%

35W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF35W-SE-5	5V	7.0A	0.5%	80mV	77%
HF35W-SE-12	12V	3.0A	0.5%	120mV	81%
HF35W-SE-15	15V	2.4A	0.5%	120mV	81%
HF35W-SE-24	24V	1.5A	0.5%	150mV	83%
HF35W-SE-48	48V	0.7A	0.5%	150mV	85%

55W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF55W-SE-5	5V	10.0A	0.5%	80mV	73%
HF55W-SE-12	12V	4.6A	0.5%	120mV	80%
HF55W-SE-15	15V	3.7A	0.5%	120mV	80%
HF55W-SE-24	24V	2.3A	0.5%	150mV	83%
HF55W-SE-48	48V	1.2A	0.5%	150mV	84%

75W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF75W-SE-12	12V	6.3A	0.5%	120mV	82%
HF75W-SE-15	15V	5.0A	0.5%	120mV	83%
HF75W-SE-24	24V	3.0A	0.5%	150mV	84%
HF75W-SE-27	27V	2.6A	0.5%	150mV	84%
HF75W-SE-48	48V	1.5A	0.5%	150mV	85%

100W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF100W-SE-12	12V	8.5A	0.5%	120mV	81%
HF100W-SE-15	15V	7.0A	0.5%	120mV	82%
HF100W-SE-18	18V	5.6A	0.5%	150mV	83%
HF100W-SE-24	24V	4.5A	0.5%	150mV	83%
HF100W-SE-36	36V	3.0A	0.5%	150mV	84%
HF100W-SE-48	48V	2.1A	0.5%	150mV	85%

150W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF150W-SE-12	12V	12.5A	0.5%	120mV	82%
HF150W-SE-15	15V	10.0A	0.5%	120mV	82%
HF150W-SE-18	18V	8.3A	0.5%	150mV	82%
HF150W-SE-24	24V	6.3A	0.5%	150mV	83%
HF150W-SE-48	48V	3.1A	0.5%	150mV	84%

200W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF200W-SE-12	12V	16.7A	0.5%	120mV	82%
HF200W-SE-15	15V	13.3A	0.5%	120mV	83%
HF200W-SE-24	24V	8.3A	0.5%	150mV	84%
HF200W-SE-36	36V	5.6A	0.5%	150mV	84%
HF200W-SE-48	48V	4.2A	0.5%	150mV	84%

350W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF350W-SE-5	5V	60.0A	0.5%	120mV	78%
HF350W-SE-12	12V	29.0A	0.5%	150mV	80%
HF350W-SE-15	15V	23.0A	0.5%	150mV	81%
HF350W-SE-24	24V	14.6A	0.5%	150mV	84%
HF350W-SE-36	36V	9.7A	0.5%	200mV	86%
HF350W-SE-48	48V	7.3A	0.5%	240mV	86%

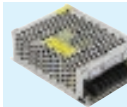
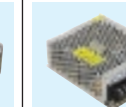
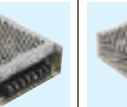
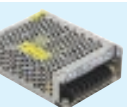
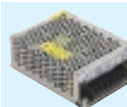
* Other output voltage also available, please send inquiry.

35W~100W 2~3 Output E Series

Features:

- Economical design, competitive price
- Top international brand components for key parts
- Built-in EMI filter
- Compact size, high reliability

- Free air cooling convection
- Protections: overload/ short circuit
- 2 years warranty

Product picture							
Model No.	HF35W-DE	HF55W-DE	HF75W-DE	HF100W-DE	HF35W-TE	HF55W-TE	HF75W-TE
Dimension (mm)	98.5×82×35	99×97×38	129×98×40	160×98×39	98.5×82×35	99×97×38	129×98×40
Weight & packing (/CTN)	0.26kg, 60pcs	0.29kg, 42pcs	0.40kg, 42pcs	0.45kg, 30pcs	0.28kg, 60pcs	0.31kg, 42pcs	0.42kg, 42pcs
AC input voltage range	170~264VAC (210~370VDC)						
Input frequency	47~63Hz						
Inrush current	cold start, 40A/230VAC						
Input leakage current	< 0.7mA/ 230VAC						
Line regulation (full load)	≤ ± 0.5%						
Voltage tolerance	V _i : ≤ ± 1%, V ₂ ,V ₃ : ≤ ± 10%						
Voltage adjust range	V _i : ± 5% of rated output voltage						
Overload protection	105~150%, hiccup mode, auto recovery						
Withstand voltage	I/P -O/P: 1.5KVAC/1min; I/P -F/G: 1.5KVAC/1min; O/P-F/G: 0.5KVAC/1min						
Rise time	50ms						
Hold up time	20ms						
Operating temperature	-20℃~-+70℃ (refer to the derating curve)						
Safety standards	design meet GB4943, UL60950, EN60950						
Cooling method	convection						

35W Dual Output

Model	DC Output		R&N	Efficiency
HF35W-DE-B	5V	0.5~4.0A	80mV	76%
	12V	0.2~2.0A	120mV	
HF35W-DE-C	5V	0.5~4.0A	80mV	77%
	24V	0.1~1.0A	150mV	
HF35W-DE-D	12V	0.2~2.0A	120mV	78%
	12V	0.2~2.0A	120mV	

55W Dual Output

Model	DC Output		R&N	Efficiency
HF55W-DE-A	5V	0.5~6.0A	80mV	74%
	12V	0.2~2.5A	120mV	
HF55W-DE-B	5V	0.5~6.0A	80mV	77%
	24V	0.1~1.5A	150mV	
HF55W-DE-C	12V	0.2~2.3A	120mV	78%
	12V	0.2~2.3A	120mV	

75W Dual Output

Model	DC Output		R&N	Efficiency
HF75W-DE-A	12V	0.2~5.0A	120mV	78%
	12V	0.2~2.5A	120mV	
HF75W-DE-B	12V	0.2~5.0A	120mV	78%
	15V	0.2~2.0A	120mV	
HF75W-DE-C	12V	0.2~5.0A	120mV	79%
	24V	0.2~2.0A	150mV	

100W Dual Output

Model	DC Output		R&N	Efficiency
HF100W-DE-A	5V	2.0~15.0A	100mV	73%
	12V	0.5~5.00A	120mV	
HF100W-DE-B	5V	2.0~15.0A	100mV	74%
	15V	0.4~4.00A	120mV	
HF100W-DE-C	5V	2.0~15.0A	100mV	76%
	24V	0.3~3.00A	150mV	

35W Triple Output

Model	DC Output		R&N	Efficiency
HF35W-TE-A	5V	0.5~3.5A	80mV	78%
	12V	0.1~1.2A	120mV	
	-12V	0.1~0.8A	120mV	
HF35W-TE-B	5V	0.5~3.5A	80mV	78%
	15V	0.1~0.8A	120mV	
	-15V	0.1~0.5A	120mV	
HF35W-TE-C	5V	0.5~3.5A	80mV	76%
	12V	0.1~1.2A	120mV	
	-5V	0.1~1.0A	100mV	

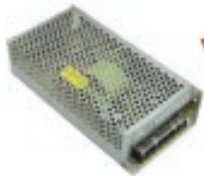
55W Triple Output

Model	DC Output		R&N	Efficiency
HF55W-TE-A	5V	0.5~5.0A	80mV	78%
	12V	0.2~2.0A	120mV	
	-12V	0.2~1.5A	120mV	
HF55W-TE-B	5V	0.5~5.0A	80mV	78%
	15V	0.2~2.0A	120mV	
	-15V	0.1~1.0A	120mV	
HF55W-TE-C	5V	0.6~7.0A	80mV	76%
	12V	0.2~2.0A	120mV	
	-5V	0.1~1.5A	100mV	

75W Triple Output

Model	DC Output		R&N	Efficiency
HF75W-TE-A	5V	0.5~6.0A	80mV	78%
	12V	0.2~2.0A	120mV	
	-12V	0.2~1.5A	120mV	
HF75W-TE-B	5V	0.6~7.0A	80mV	78%
	15V	0.2~2.0A	120mV	
	-15V	0.1~1.0A	120mV	
HF75W-TE-C	5V	0.7~8.0A	80mV	76%
	12V	0.2~2.0A	120mV	
	-5V	0.1~1.5A	100mV	

80W DC/DC Photovoltaic Power Supply



- Wide input range up to 1600VDC
- High reliability
- Top brand components for key parts
- Protections: overload/ short circuit
- 5 years limited warranty
- 199 × 98 × 39(mm)

DC input voltage range.....300~1600VDC
Input current< 1.0A/ 300VDC
Line regulation (full load).....≤ ± 0.5%
Output voltage adjust range26.73~28.35V
Output overload protection> 3.6A delay 100~500ms shut off, re-power on to recover
Withstand voltage.....I/P -O/P: 4.0KVAC/1min
I/P -F/G: 3.0KVAC/1min
O/P-F/G: 0.5KVAC/1min
Isolation resistance.....> 100MΩ@500VDC
Rise time.....50ms@full load, 300VDC
Hold up time20ms@full load, 300VDC
Operating temperature-20°C~+50°C
Safety standards.....meet UL1741, EN62109
Cooling methodconvection
Weight0.57kg/pcs

Model	DC Output		Load regul.	R&N	Efficiency
HF80W-SDW-27	27V	3.0A	2.0%	300mV	84%

150W AC/DC Photovoltaic Power Supply



- Wide input range up to 920VAC
- Protected at 960~1300VAC input
- High reliability
- Top brand components for key parts
- Protections: overload/ short circuit
- 5 years limited warranty
- 265 × 113 × 65(mm)

AC input voltage range.....680~920VAC
Input frequency.....47~63Hz
Input current< 0.45A/ 680VAC
Power factor> 0.5
Line regulation (full load).....≤ ± 0.5%
Output voltage adjust range24~25V
Output overload protection> 7.3A delay 50~200ms shut off, re-power on to recover

Withstand voltage.....I/P -O/P: 3.0KVAC/1min
I/P -F/G: 1.5KVAC/1min
O/P-F/G: 0.5KVAC/1min

Set up time.....< 2s@800VAC
Rise time.....50ms@full load, 800VAC
Hold up time20ms@full load, 800VAC
Operating temperature-20°C~+50°C
Cooling methodconvection
Weight0.97kg/pcs

Model	DC Output		Load regul.	R&N	Efficiency
HF150W-SHW-24	24V	6.5A	1.0%	200mV	85%



150W Photovoltaic Power Supply



- Suitable for both AC & DC input
- AC & DC input isolated
- High reliability
- Top brand components for key parts
- Protections: overload/ short circuit
- 5 years limited warranty
- 265 × 113 × 65(mm)

Input voltage range.....170~600VAC or 300~1000VDC
Input current< 1.5A/ 170VAC
Power factor> 0.55
Line regulation (full load).....≤ ± 0.5%
Output voltage adjust range24~25V
Output overload protection> 7.3A delay 50~200ms shut off, re-power on to recover

Withstand voltage.....I/P -O/P: 3.0KVAC/1min
I/P -F/G: 1.5KVAC/1min
O/P-F/G: 0.5KVAC/1min

Set up time.....< 2s@300VAC
Rise time.....50ms@full load, 300VAC
Hold up time20ms@full load, 300VAC
Operating temperature-20°C~+50°C
Cooling methodconvection
Weight1.24kg/pcs

Model	DC Output		Load regul.	R&N	Efficiency
HF150W-SDW-24	24V	6.5A	1.0%	200mV	85%

150W Single Output Green Power



- Protected up to 528VAC
- High reliability
- Standby power consumption < 1W
- Protections: overload/ over voltage/ short circuit
- 5 years limited warranty
- F615SL 199 × 98 × 41(mm)

AC input voltage range.....160~280VAC (220~395VDC)
Input frequency.....47~63Hz
Inrush currentcold start, 30A/230VAC
Input leakage current.....< 1mA/ 230VAC
Line regulation (full load).....≤ ± 0.5%
Output voltage adjust range± 10%
Output overload protection> 6.7A delay 3s protected, hiccup mode, auto recovery

Output over voltage protection30~36VDC, hiccup mode, auto recovery
Withstand voltage.....I/P -O/P: 3.0KVAC/1min
I/P -F/G: 1.5KVAC/1min
O/P-F/G: 0.5KVAC/1min

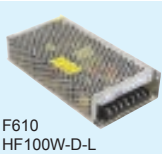
Rise time.....50ms@full load (typical)
Hold up time20ms@full load (typical)
Operating temperature-20°C~+50°C
Safety standards.....GB4943, UL60950, EN60950
EMC standards.....EN12015, EN12016
Cooling methodconvection
Packing.....0.74kg/pcs, 28pcs/CTN

Model	DC Output		Load regul.	R&N	Efficiency
HF150W-SW-24	24V	6.5A	1.0%	150mV	85%

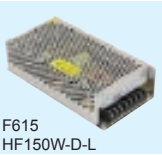
55W~300W for Laser Equipment



F605
HF55W-D-L



F610
HF100W-D-L



F615
HF150W-D-L



F635SM
HF300W-DM-L

Model No.	HF55W-D-L	HF100W-D-L	HF150W-D-L	HF300W-DM-L
Dimension (mm)	160×98×39	199×98×39	199×98×50	199×98×50
Weight & packing	0.45kg, 30pcs	0.60kg, 28pcs	0.68kg, 20pcs	0.73kg, 20pcs
AC input range	170~264VAC (210~370VDC)			
Input frequency	47~63Hz			
Inrush current	cold start, 40A/230VAC			60A/230VAC
Leakage current	< 0.7mA/ 230VAC			< 1mA/230VAC
Line regulation	≤ ± 0.5%			
Vadj range	V ₁ : ± 5% of rated output voltage			
Overload protection	105~150%, auto recovery	105~130%, shut off, re-power on to recover	105~150%, auto recovery	
Over voltage protection	--			115~150%, shut off
Withstand voltage	I/P -O/P: 1.5KVAC/1min; I/P -F/G: 1.5KVAC/1min; O/P-F/G: 0.5KVAC/1min			
Rise time	50ms@full load (typical)			
Hold up time	20ms@full load (typical)			
Operating temp.	-20°C~+50°C			
Safety standards	design meet GB4943, UL60950, EN60950			
Cooling method	convection			fan

Model	DC Output		Voltage Tol.	R&N	Efficiency
HF55W-D-L	15V	0.4~2.0A	± 1%	120mV	78%
	-15V	0.0~2.0A	± 3%	120mV	
HF100W-D-L	15V	0.5~3.0A	± 1%	120mV	78%
	-15V	0.0~3.0A	± 3%	120mV	
HF150W-D-L	15V	0.5~5.0A	± 1%	120mV	85%
	-15V	0.5~5.0A	± 10%	120mV	
HF300W-DM-L	15V	0.5~10.0A	± 1%	120mV	85%
	-15V	0.5~10.0A	± 10%	120mV	

300W Quad. Output for Laser Equipment



- AC input range selected by switch
- Free air cooling convection
- 4 outputs common grounded
- Protections: overload/ over voltage/ short circuit
- 5 years limited warranty
- 215 × 112 × 50(mm)

AC input voltage range.....85~132/ 170~264VAC selected by switch
Inrush currentcold start, 30A/115V, 60A/230V
Input frequency.....47~63Hz
Input leakage current.....< 1mA/ 230VAC
Line regulation (full load).....≤ ± 0.5%
Output voltage adjust rangeV₁: ± 5% of rated output voltage
Output overload protection105~150%, hiccup mode, auto recovery
Output protection.....115~150%, shut off, re-power on to recover
Withstand voltage.....I/P -O/P: 1.5KVAC/1min
I/P -F/G: 1.5KVAC/1min
O/P-F/G: 0.5KVAC/1min

Rise time.....50ms@full load (typical)
Hold up time20ms@full load (typical)
Operating temperature-20°C~+50°C
Safety standards.....design meet GB4943, UL60950, EN60950
Cooling methodconvection

Model	DC Output		Voltage Tol.	R&N	Efficiency
HF300W-QV-A	24V	0.0~9.0A	± 1%	200mV	81%
	15V	0.2~2.0A	± 3%	150mV	
	-15V	0.2~2.0A	± 10%	150mV	
	5V	0.0~2.0A	± 3%	150mV	

240W~350W for Textile Machine



F620
HF240W-S-27



F635A
HF350W-SE-48

- High reliability, low cost
- Top brand components for key parts
- Built-in EMI filter
- 5 years limited warranty

Model No.	HF240W-S-27	HF350W-SE-48
Dimension (mm)	200×110×50	215×115×50
Weight & packing	0.83kg, 20pcs/CTN	0.89kg, 16pcs/CTN
AC input range	170~264VAC (210~370VDC)	
Input frequency	47~63Hz	
Inrush current	cold start, 40A/230VAC	cold start, 60A/230VAC
Leakage current	< 0.7mA/ 230VAC	
Line regulation	≤ ± 0.5%	
Vadj range	± 10%	
Overload protection	105~130%, shut off, re-power on to recover	
Over voltage protection	--	115~150% shut off, re-power on to recover
Withstand voltage	I/P -O/P: 1.5KVAC/1min I/P -F/G: 1.5KVAC/1min O/P-F/G: 0.5KVAC/1min	I/P -O/P: 3.0KVAC/1min I/P -F/G: 1.5KVAC/1min O/P-F/G: 0.5KVAC/1min
Rise time	50ms@full load (typical)	
Hold up time	20ms@full load (typical)	
Operating temp.	-20°C~+50°C	
Safety standards	design meet GB4943, UL60950, EN60950	
Cooling method	convection	fan

Model	DC Output		Load regul.	R&N	Efficiency
HF240W-S-27	27V	10.0A	0.5%	150mV	87%
HF350W-SE-48	48V	7.3A	0.5%	240mV	86%

500W Quad. Output for Laser Equipment



- AC input range selected by switch
- Forced air cooling by built-in fan
- 4 outputs common grounded
- Protections: overload/ over voltage/ over temperature/ short circuit
- 5 years limited warranty
- F650F 240 × 124 × 60(mm)

AC input voltage range.....85~132/ 170~264VAC (HF500W-QV-A)
AC input voltage range.....85~264VAC (HF500W-QL-A)
Inrush currentcold start, 30A/115V, 60A/230V
Input frequency.....47~63Hz
Input leakage current.....< 1mA/ 230VAC
Line regulation (full load).....≤ ± 0.5%
Output voltage adjust rangeV₁: ± 5% of rated output voltage
Output overload protection105~150%, hiccup mode, auto recovery
Output protection.....115~150%, shut off, re-power on to recover
Withstand voltage.....I/P -O/P: 1.5KVAC/1min
I/P -F/G: 1.5KVAC/1min
O/P-F/G: 0.5KVAC/1min

Rise time.....50ms@full load (typical)
Hold up time20ms@full load (typical)
Operating temperature-20°C~+50°C
Safety standards.....design meet GB4943, UL60950, EN60950
Cooling methodfan
Weight1.22kg/pcs

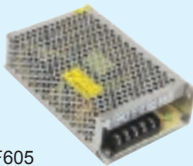
Model	DC Output		Voltage Tol.	R&N	Efficiency
HF500W-QV-A	24V	0.0~15.0A	± 1%	200mV	81%
	15V	0.2~5.0A	± 3%	150mV	
	-15V	0.2~5.0A	± 10%	150mV	
	5V	0.0~5.0A	± 3%	150mV	
HF500W-QL-A	24V	0.0~15.0A	± 1%	200mV	81%
	15V	0.2~5.0A	± 3%	150mV	
	-15V	0.2~5.0A	± 10%	150mV	
	5V	0.0~5.0A	± 3%	150mV	

10W~60W Single Output Standard with approval

Features:

- Traditional series, high reliability
- Universal AC input / full range
- Top international brand components for key parts
- Built-in EMI filter
- UL, CE approved (refer to spec. of each series)
- Protections: overload/ over voltage/ short circuit
- 5 years limited warranty



Product picture					
	F601	F602	F6025SL	F603	F605
Model No.	HF10W-SL	HF20W-SL	HF25W-SL	HF40W-SL	HF60W-SL
Dimension (mm)	100×58×31	111×78×36	98.5×82×35	129×98×40	160×98×39
Weight & packing	0.15kg, 108pcs/CTN	0.26kg, 60pcs/CTN	0.24kg, 60pcs/CTN	0.37kg, 42pcs/CTN	0.46kg, 30pcs/CTN
AC input voltage range	85~264VAC (120~370VDC)				
Input frequency	47~63Hz				
Inrush current	cold start, 15A/115VAC, 30A/230VAC		cold start, 20A/115VAC, 40A/230VAC		
Input leakage current	< 0.7mA/ 230VAC	< 1mA/ 230VAC			
Line regulation (full load)	≤ ± 0.5%				
Voltage adjust range	± 10%				
Overload protection	built-in IC protection, hiccup mode, auto recovery		105~150%, hiccup mode, auto recovery		
Over voltage protection	clamping by zener diode		115~150%, shut off, re-power on to recover	115~150%, hiccup mode, auto recovery	
Withstand voltage	I/P -O/P: 3.0KVAC/1min; I/P -F/G: 1.5KVAC/1min; O/P-F/G: 0.5KVAC/1min				
Rise time	50ms@full load (typical)				
Hold up time	20ms@full load (typical)				
Operating temperature	-20℃~+70℃ (refer to the derating curve)				
Safety standards	GB4943, UL60950, EN60950				
EMC standards	GB9254, EN55022 class B, EN55024, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11				
Cooling method	convection				

10W Single Output



Model	DC Output		Load regul.	R&N	Efficiency
HF10W-SL-5	5V	2.0A	0.5%	80mV	71%
HF10W-SL-12	12V	0.85A	0.5%	120mV	76%
HF10W-SL-15	15V	0.7A	0.5%	120mV	76%
HF10W-SL-24	24V	0.4A	0.5%	150mV	77%
HF10W-SL-48	48V	0.2A	0.5%	150mV	79%

* 3~48VDC output all available.

40W Single Output



Model	DC Output		Load regul.	R&N	Efficiency
HF40W-SL-5	5V	8.0A	0.5%	80mV	75%
HF40W-SL-12	12V	3.5A	0.5%	120mV	80%
HF40W-SL-15	15V	2.8A	0.5%	120mV	81%
HF40W-SL-24	24V	1.8A	0.5%	150mV	82%
HF40W-SL-48	48V	0.9A	0.5%	150mV	83%

* 3~48VDC output all available.

20W Single Output



Model	DC Output		Load regul.	R&N	Efficiency
HF20W-SL-5	5V	4.0A	0.5%	80mV	77%
HF20W-SL-12	12V	1.7A	0.5%	120mV	81%
HF20W-SL-15	15V	1.4A	0.5%	120mV	82%
HF20W-SL-24	24V	0.8A	0.5%	150mV	82%
HF20W-SL-48	48V	0.4A	0.5%	150mV	83%

* 3~48VDC output all available.

60W Single Output



Model	DC Output		Load regul.	R&N	Efficiency
HF60W-SL-5	5V	12.0A	0.5%	80mV	78%
HF60W-SL-12	12V	5.0A	0.5%	120mV	82%
HF60W-SL-15	15V	4.0A	0.5%	120mV	82%
HF60W-SL-24	24V	2.5A	0.5%	150mV	81%
HF60W-SL-48	48V	1.3A	0.5%	150mV	82%

* 3~48VDC output all available.

25W Single Output



Model	DC Output		Load regul.	R&N	Efficiency
HF25W-SL-3.3	3.3V	6.0A	0.5%	80mV	66%
HF25W-SL-5	5V	5.0A	0.5%	80mV	76%
HF25W-SL-12	12V	2.1A	0.5%	120mV	79%
HF25W-SL-15	15V	1.7A	0.5%	120mV	81%
HF25W-SL-24	24V	1.1A	0.5%	150mV	79%
HF25W-SL-48	48V	0.57A	0.5%	150mV	83%

* 3~48VDC output all available.

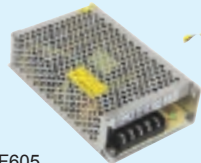
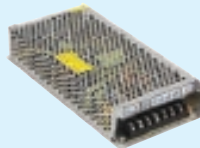


70W~350W Single Output Standard with approval

Features:

- Traditional series, high reliability
- AC input / full range
- Top international brand components for key parts
- Built-in EMI filter

- UL, CE approved (refer to spec. of each series)
- Protections: overload/ over voltage/ short circuit/ over temperature (HF350W-SF)
- 5 years limited warranty

Product picture					
	F605	F610	F615UL	F615UL	F630C
Model No.	HF70W-SL	HF100W-SF	HF150W-SF	HF240W-SF	HF350W-SF
Dimension (mm)	160×98×39	199×98×39	199×110×50	199×110×50	215×115×50
Weight & packing	0.48kg, 30pcs/CTN	0.65kg, 28pcs/CTN	0.71kg, 20pcs/CTN	0.91kg, 20pcs/CTN	0.98kg, 16pcs/CTN
AC input voltage range	85~264VAC (120~370VDC)	85~132/ 170~264VAC selected by switch	88~132/ 176~264VAC selected by switch	85~132/ 170~264VAC selected by switch	
Input frequency	47~63Hz				
Inrush current	cold start, 20A/115VAC, 40A/230VAC				cold start, 30A/115VAC, 60A/230VAC
Input leakage current	< 1mA/ 230VAC				
Line regulation (full load)	≤ ± 0.5%				
Voltage adjust range	± 10%				
Overload protection	105~150%, hiccup mode, auto recovery	105~130%, shut off, re-power on to recover			
Over voltage protection	115~150%, hiccup mode, auto recovery	115~150%, shut off, re-power on to recover			
Withstand voltage	I/P -O/P: 3.0KVAC/1min; I/P -F/G: 1.5KVAC/1min; O/P-F/G: 0.5KVAC/1min				
Rise time	50ms@full load (typical)				
Hold up time	20ms@full load (typical)				
Operating temperature	-20℃~+70℃ (refer to the derating curve)				
Safety standards	GB4943, UL60950, EN60950				
EMC standards	GB9254, EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11		GB9254, EN55022 classA, EN61000-4-2,3,4,5,6,8,11		
Cooling method	convection				fan

70W Single Output



Model	DC Output		Load regul.	R&N	Efficiency
HF70W-SL-5	5V	12.0A	0.5%	80mV	75%
HF70W-SL-12	12V	5.8A	0.5%	120mV	80%
HF70W-SL-15	15V	4.7A	0.5%	120mV	81%
HF70W-SL-24	24V	2.9A	0.5%	150mV	82%
HF70W-SL-36	36V	2.0A	0.5%	150mV	82%
HF70W-SL-48	48V	1.5A	0.5%	150mV	83%

* 3~48VDC output all available.

240W Single Output



Model	DC Output		Load regul.	R&N	Efficiency
HF240W-SF-5	5V	40.0A	0.5%	100mV	79%
HF240W-SF-12	12V	18.0A	0.5%	120mV	83%
HF240W-SF-15	15V	15.0A	0.5%	120mV	85%
HF240W-SF-24	24V	10.0A	0.5%	150mV	85%
HF240W-SF-30	30V	8.0A	0.5%	150mV	86%
HF240W-SF-48	48V	5.0A	0.5%	150mV	87%

* 3~48VDC output all available.

100W Single Output



Model	DC Output		Load regul.	R&N	Efficiency
HF100W-SF-5	5V	20.0A	0.5%	100mV	79%
HF100W-SF-7.5	7.5V	13.5A	0.5%	100mV	79%
HF100W-SF-12	12V	8.5A	0.5%	120mV	81%
HF100W-SF-13.8	13.8V	7.5A	0.5%	120mV	83%
HF100W-SF-15	15V	6.7A	0.5%	120mV	83%
HF100W-SF-24	24V	4.5A	0.5%	150mV	84%
HF100W-SF-48	48V	2.2A	0.5%	150mV	86%

* 3~48VDC output all available.

150W Single Output



Model	DC Output		Load regul.	R&N	Efficiency
HF150W-SF-5	5V	30.0A	0.5%	100mV	80%
HF150W-SF-7.5	7.5V	20.0A	0.5%	100mV	80%
HF150W-SF-9	9V	16.7A	0.5%	100mV	81%
HF150W-SF-12	12V	12.5A	0.5%	120mV	83%
HF150W-SF-24	24V	6.5A	0.5%	150mV	84%
HF150W-SF-27	27V	5.6A	0.5%	150mV	84%
HF150W-SF-36	36V	4.2A	0.5%	150mV	85%

* 3~48VDC output all available.

350W Single Output



Model	DC Output		Load regul.	R&N	Efficiency
HF350W-SF-5	5V	60.0A	0.5%	120mV	77%
HF350W-SF-12	12V	29.0A	0.5%	150mV	82%
HF350W-SF-15	15V	23.2A	0.5%	150mV	83%
HF350W-SF-24	24V	14.6A	0.5%	150mV	85%
HF350W-SF-27	27V	13.0A	0.5%	200mV	84%
HF350W-SF-48	48V	7.3A	0.5%	240mV	87%

* 3~48VDC output all available.



TUV Certificate / 证书



CB Certificate / 证书

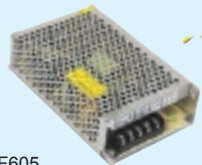
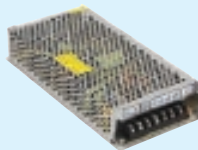


CCC Certificate / 证书

70W~350W Single Output Standard with approval

Features:

- Traditional series, high reliability
 - AC input / full range
 - Top international brand components for key parts
 - Built-in EMI filter
- UL, CE approved (refer to spec. of each series)
 - Protections: overload/ over voltage/ short circuit/ over temperature (HF350W-SF)
 - 5 years limited warranty

Product picture					
	F605	F610	F615UL	F615UL	F630C
Model No.	HF70W-SL	HF100W-SF	HF150W-SF	HF240W-SF	HF350W-SF
Dimension (mm)	160×98×39	199×98×39	199×110×50	199×110×50	215×115×50
Weight & packing	0.48kg, 30pcs/CTN	0.65kg, 28pcs/CTN	0.71kg, 20pcs/CTN	0.91kg, 20pcs/CTN	0.98kg, 16pcs/CTN
AC input voltage range	85~264VAC (120~370VDC)	85~132/ 170~264VAC selected by switch	88~132/ 176~264VAC selected by switch	85~132/ 170~264VAC selected by switch	
Input frequency	47~63Hz				
Inrush current	cold start, 20A/115VAC, 40A/230VAC				cold start, 30A/115VAC, 60A/230VAC
Input leakage current	< 1mA/ 230VAC				
Line regulation (full load)	≤ ± 0.5%				
Voltage adjust range	± 10%				
Overload protection	105~150%, hiccup mode, auto recovery	105~130%, shut off, re-power on to recover			
Over voltage protection	115~150%, hiccup mode, auto recovery	115~150%, shut off, re-power on to recover			
Withstand voltage	I/P -O/P: 3.0KVAC/1min; I/P -F/G: 1.5KVAC/1min; O/P-F/G: 0.5KVAC/1min				
Rise time	50ms@full load (typical)				
Hold up time	20ms@full load (typical)				
Operating temperature	-20℃~+70℃ (refer to the derating curve)				
Safety standards	GB4943, UL60950, EN60950				
EMC standards	GB9254, EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11		GB9254, EN55022 classA, EN61000-4-2,3,4,5,6,8,11		
Cooling method	convection				fan

70W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF70W-SL-5	5V	12.0A	0.5%	80mV	75%
HF70W-SL-12	12V	5.8A	0.5%	120mV	80%
HF70W-SL-15	15V	4.7A	0.5%	120mV	81%
HF70W-SL-24	24V	2.9A	0.5%	150mV	82%
HF70W-SL-36	36V	2.0A	0.5%	150mV	82%
HF70W-SL-48	48V	1.5A	0.5%	150mV	83%

* 3~48VDC output all available.

100W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF100W-SF-5	5V	20.0A	0.5%	100mV	79%
HF100W-SF-7.5	7.5V	13.5A	0.5%	100mV	79%
HF100W-SF-12	12V	8.5A	0.5%	120mV	81%
HF100W-SF-13.8	13.8V	7.5A	0.5%	120mV	83%
HF100W-SF-15	15V	6.7A	0.5%	120mV	83%
HF100W-SF-24	24V	4.5A	0.5%	150mV	84%
HF100W-SF-48	48V	2.2A	0.5%	150mV	86%

* 3~48VDC output all available.

150W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF150W-SF-5	5V	30.0A	0.5%	100mV	80%
HF150W-SF-7.5	7.5V	20.0A	0.5%	100mV	80%
HF150W-SF-9	9V	16.7A	0.5%	100mV	81%
HF150W-SF-12	12V	12.5A	0.5%	120mV	83%
HF150W-SF-24	24V	6.5A	0.5%	150mV	84%
HF150W-SF-27	27V	5.6A	0.5%	150mV	84%
HF150W-SF-36	36V	4.2A	0.5%	150mV	85%

* 3~48VDC output all available.

240W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF240W-SF-5	5V	40.0A	0.5%	100mV	79%
HF240W-SF-12	12V	18.0A	0.5%	120mV	83%
HF240W-SF-15	15V	15.0A	0.5%	120mV	85%
HF240W-SF-24	24V	10.0A	0.5%	150mV	85%
HF240W-SF-30	30V	8.0A	0.5%	150mV	86%
HF240W-SF-48	48V	5.0A	0.5%	150mV	87%

* 3~48VDC output all available.

350W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF350W-SF-5	5V	60.0A	0.5%	120mV	77%
HF350W-SF-12	12V	29.0A	0.5%	150mV	82%
HF350W-SF-15	15V	23.2A	0.5%	150mV	83%
HF350W-SF-24	24V	14.6A	0.5%	150mV	85%
HF350W-SF-27	27V	13.0A	0.5%	200mV	84%
HF350W-SF-48	48V	7.3A	0.5%	240mV	87%

* 3~48VDC output all available.



TUV Certificate / 证书



CB Certificate / 证书

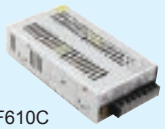
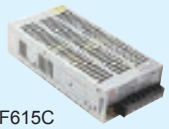


CCC Certificate / 证书

75W~480W Single Output PFC Series

Features:

- Universal
 - PF>0.98@115VAC; >0.94@230VAC
 - Built-in active PFC
 - UL,TUV,CB,CE,CCC approved (refer to spec. of each series)
 - Protections: overload/ over voltage/ short circuit/ over temperature (HF200W-SC, HF320W-SC, HF480W-SC)
- Built in fan speed control (HF200W-SC, HF320W-SC, HF480W-SC)
 - No load power consumption<0.5W (HF75W-SC)
 - Built in remote sense (option) (HF480W-SC)
 - Remote ON/OFF control (option) (HF480W-SC)
 - 5 years limited warranty

Product picture						
	F607SHC	F610C	F615C	F620C	F630C	F648C
Model No.	HF75W-SC	HF100W-SC	HF150W-SC	HF200W-SC	HF320W-SC	HF480W-SC
Dimension (mm)	129×98×38	179×99×45	199×99×50	199×99×50	215×115×50	278×127×43
Weight & packing	0.43kg, 42pcs/CTN	0.60kg, 20pcs/CTN	0.72kg, 20pcs/CTN	0.81kg, 20pcs/CTN	1.06kg, 16pcs/CTN	1.62kg, 10pcs/CTN
AC input voltage range	85~264VAC (120~370VDC)					
Input frequency	47~63Hz					
Inrush current	cold start, 35A/115VAC 65A/230VAC	cold start, 20A/115VAC, 40A/230VAC			cold start, 30A/115VAC, 60A/230VAC	
Input leakage current	< 1mA/ 230VAC					
Line regulation (full load)	≤± 0.5%					
Voltage adjust range	± 10%					
Overload protection	105~135%, current limiting, auto recovery	105~150%, current limiting, auto recovery			105~150%, hiccup mode, auto recovery	105~130%, current limiting, auto recovery
Over voltage protection	115~150%, shut off, re-power on to recover	115~150%, hiccup mode, auto recovery	115~150%, shut off, re-power on to recover			
Withstand voltage	I/P -O/P: 3.0KVAC/1min; I/P -F/G: 1.5KVAC/1min; O/P-F/G: 0.5KVAC/1min					
Rise time	50ms@full load (typical)					
Hold up time	20ms@full load (typical)					
Operating temperature	-20℃~+70℃ (refer to the derating curve)					
Safety standards	GB4943, UL60950, EN60950					
EMC standards	GB9254, EN55022 classB, EN55024, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11					
Cooling method	convection			fan		

75W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF75W-SC-5	5V	15.0A	2.0%	80mV	82.5%
HF75W-SC-12	12V	6.3A	1.0%	120mV	87.0%
HF75W-SC-24	24V	3.2A	0.5%	150mV	88.5%
HF75W-SC-48	48V	1.6A	0.5%	150mV	89.0%

* 3~48VDC output all available.

100W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF100W-SC-3.3	3.3V	20.0A	0.5%	100mV	70%
HF100W-SC-5	5V	20.0A	0.5%	100mV	77%
HF100W-SC-7.5	7.5V	13.5A	0.5%	100mV	79%
HF100W-SC-12	12V	8.5A	0.5%	120mV	82%
HF100W-SC-15	15V	6.7A	0.5%	120mV	83%
HF100W-SC-24	24V	4.2A	0.5%	150mV	84%
HF100W-SC-48	48V	2.1A	0.5%	150mV	84%

* 3~48VDC output all available.

150W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF150W-SC-3.3	3.3V	30.0A	0.5%	100mV	73%
HF150W-SC-5	5V	30.0A	0.5%	100mV	79%
HF150W-SC-7.5	7.5V	20.0A	0.5%	100mV	81%
HF150W-SC-12	12V	12.5A	0.5%	120mV	84%
HF150W-SC-13.5	13.5V	11.2A	0.5%	120mV	85%
HF150W-SC-15	15V	10.0A	0.5%	120mV	85%
HF150W-SC-24	24V	6.3A	0.5%	150mV	86%
HF150W-SC-48	48V	3.2A	0.5%	150mV	86%

* 3~48VDC output all available.

200W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF200W-SC-3.3	3.3V	40.0A	0.5%	100mV	70%
HF200W-SC-5	5V	40.0A	0.5%	100mV	76%
HF200W-SC-7.5	7.5V	26.7A	0.5%	100mV	80%
HF200W-SC-12	12V	16.7A	0.5%	120mV	81%
HF200W-SC-13.5	13.5V	15.0A	0.5%	120mV	82%
HF200W-SC-15	15V	13.5A	0.5%	120mV	83%
HF200W-SC-24	24V	8.4A	0.5%	150mV	84%
HF200W-SC-48	48V	4.2A	0.5%	150mV	85%

* 3~48VDC output all available.

320W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF320W-SC-5	5V	60.0A	0.5%	120mV	78%
HF320W-SC-7.5	7.5V	40.0A	0.5%	120mV	78%
HF320W-SC-12	12V	25.0A	0.5%	150mV	83%
HF320W-SC-13.5	13.5V	22.0A	0.5%	150mV	83%
HF320W-SC-15	15V	20.0A	0.5%	150mV	84%
HF320W-SC-24	24V	13.0A	0.5%	150mV	86%
HF320W-SC-27	27V	11.7A	0.5%	200mV	87%
HF320W-SC-48	48V	6.7A	0.5%	240mV	88%

* 3~48VDC output all available.

480W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF480W-SC-12	12V	43A	0.5%	150mV	85%
HF480W-SC-15	15V	35A	0.5%	150mV	85%
HF480W-SC-24	24V	22A	0.5%	150mV	87%
HF480W-SC-48	48V	11A	0.5%	240mV	89%

* 12~48VDC output all available.

150W~500W 1U Single Output with PFC



Features:

- Universal AC input / full range
- Built-in active PFC, PF>0.95@230VAC
- Protections: overload/ over voltage/ over temperature/ short circuit
- 5 years limited warranty

Model No.	HF150W-LSC	HF200W-LSC	HF320W-LSC	HF500W-LSC
Dimension (mm)	199×99×30	215×115×30	215×115×30	230×127×40.5
Weight	0.6kg	0.72kg	0.9kg	1.3kg
AC input voltage range	85~264VAC (120~370VDC)			
Input frequency	47~63Hz			
Inrush current	cold start, 45A/230VAC	cold start, 20A/115VAC, 40A/230VAC		cold start, 30A/115VAC, 60A/230VAC
Input leakage current	< 2mA/ 230VAC	< 1mA/ 230VAC		< 2mA/ 230VAC
Line regulation (full load)	≤ ± 0.5%			
Voltage adjust range	± 10%			
Overload protection	105~135%, constant current limiting, auto recovery	105~135%, hiccup mode, auto recovery		105~130%, constant current limiting, auto recovery
Over voltage protection	115~150%, shut off, re-power on to recover			
Withstand voltage	I/P -O/P: 3.0KVAC/1min; I/P -F/G: 1.5KVAC/1min; O/P-F/G: 0.5KVAC/1min			
Rise time	50ms@full load (typical)			
Hold up time	20ms@full load (typical)			
Operating temperature	-30℃~-+70℃ (refer to the derating curve)			
Safety standards	GB4943, UL60950, EN60950			
EMC standards	GB9254, EN55022 class B, EN55024, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11			
Cooling method	convection		fan	

Model	DC Output		Load regul.	R&N	Efficiency
HF150W-LSC-5	5V	30.0A	0.5%	100mV	87%
HF150W-LSC-12	12V	12.5A	0.5%	120mV	88%
HF150W-LSC-24	24V	6.3A	0.5%	150mV	89%
HF150W-LSC-48	48V	3.2A	0.5%	200mV	90%
HF200W-LSC-5	5V	40.0A	0.5%	150mV	85%
HF200W-LSC-12	12V	16.7A	0.5%	150mV	89%
HF200W-LSC-24	24V	8.4A	0.5%	150mV	89%
HF200W-LSC-48	48V	4.2A	0.5%	200mV	90%

Model	DC Output		Load regul.	R&N	Efficiency
HF320W-LSC-5	5V	60.0A	0.5%	150mV	83%
HF320W-LSC-12	12V	26.7A	0.5%	150mV	88%
HF320W-LSC-24	24V	13.4A	0.5%	150mV	89%
HF320W-LSC-48	48V	6.7A	0.5%	200mV	90%
HF500W-LSC-12	12V	41.7A	0.5%	150mV	88%
HF500W-LSC-15	15V	33.4A	0.5%	150mV	88%
HF500W-LSC-24	24V	21.0A	0.5%	150mV	89%
HF500W-LSC-48	48V	10.5A	0.5%	200mV	90%

150W~400W Single Output E Series with PFC



Features:

- Economical design, competitive price
- Universal AC input / full range
- Built-in active PFC, PF>0.95@230VAC
- Protections: overload/ over voltage/ short circuit over temperature (HF240W-EC, HF400W-EC)
- 5 years limited warranty

Model No.	HF150W-EC	HF240W-EC	HF400W-EC
Dimension (mm)	199×98×50	199×98×50	215×115×50
Packing (/CTN)	20pcs	20pcs	16pcs
AC input voltage range	85~264VAC (120~370VDC)		
Input frequency	47~63Hz		
Inrush current	cold start, 20A/115V, 40A/230V		cold start, 30A/115V, 60A/230V
Input leakage current	< 1mA/ 230VAC		
Line regulation (full load)	≤ ± 0.5%		
Voltage adjust range	± 10%		
Overload protection	105~135%, hiccup mode, auto recovery		
Over voltage protection	115~150%, shut off, re-power on to recover		
Withstand voltage	I/P -O/P: 3.0KVAC/1min; I/P -F/G: 1.5KVAC/1min; O/P-F/G: 0.5KVAC/1min		
Rise time	50ms@full load (typical)		
Hold up time	20ms@full load (typical)		
Operating temperature	-20℃~+70℃ (refer to the derating curve)		
Safety standards	GB4943, UL60950, EN60950		
EMC standards	GB9254, EN55022 class A, EN61000-3-2,3		
Cooling method	convection	fan	

Model	DC Output		Load regul.	R&N	Efficiency
HF150W-EC-5	5V	30.0A	0.5%	100mV	79%
HF150W-EC-12	12V	12.5A	0.5%	120mV	84%
HF150W-EC-24	24V	6.3A	0.5%	150mV	86%
HF150W-EC-48	48V	3.2A	0.5%	150mV	86%

Model	DC Output		Load regul.	R&N	Efficiency
HF240W-EC-12	12V	20.0A	0.5%	120mV	81%
HF240W-EC-15	15V	15.0A	0.5%	120mV	83%
HF240W-EC-24	24V	10.0A	0.5%	150mV	84%
HF240W-EC-48	48V	5.0A	0.5%	150mV	85%

Model	DC Output		Load regul.	R&N	Efficiency
HF400W-EC-12	12V	33.0A	0.5%	150mV	83%
HF400W-EC-15	15V	26.0A	0.5%	150mV	84%
HF400W-EC-24	24V	16.7A	0.5%	150mV	86%
HF400W-EC-48	48V	8.3A	0.5%	240mV	88%

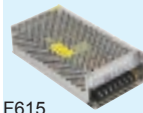
10W~150W Single Output Standard Series

Features:

- Traditional series, high reliability
- Built-in EMI filter
- Free air cooling convection



- Top international brand components for key parts
- Protections: overload/ short circuit
- 5 years limited warranty

Product picture							
Model No.	F601	F602	F603	F605	F605	F610	F615
Model No.	HF10W-S	HF20W-S	HF35W-S	HF55W-S	HF70W-S	HF100W-S	HF150W-S
Dimension (mm)	100×58×31	111×78×36	129×98×40	160×98×39	160×98×39	199×98×39	199×98×50
Weight & packing (/CTN)	0.13kg/pcs, 108pcs	0.25kg/pcs, 60pcs	0.34kg/pcs, 42pcs	0.43kg/pcs, 30pcs	0.44kg/pcs, 30pcs	0.58kg/pcs, 28pcs	0.66kg/pcs, 20pcs
AC input voltage range	170~264VAC (210~370VDC)						
Input frequency	47~63Hz						
Inrush current	cold start, 30A/230VAC		cold start, 40A/230VAC				
Input leakage current	< 0.7mA/ 230VAC						
Line regulation (full load)	≤ ± 0.5%						
Voltage adjust range	± 10%						
Overload protection	105~150, hiccup mode, auto recover	105~150%		105~150%, hiccup mode, auto recovery		105~130%, shut off, re-power on to recover	
Withstand voltage	I/P -O/P: 1.5KVAC/1min; I/P -F/G: 1.5KVAC/1min; O/P-F/G: 0.5KVAC/1min						
Rise time	50ms@full load (typical)						
Hold up time	20ms@full load (typical)						
Operating temperature	-20℃~+70℃ (refer to the derating curve)						
Safety standards	design meet GB4943, UL60950, EN60950						
Cooling method	convection						

10W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF10W-S-5	5V	2.0A	0.5%	80mV	71%
HF10W-S-12	12V	1.0A	0.5%	120mV	76%
HF10W-S-15	15V	0.8A	0.5%	120mV	78%
HF10W-S-24	24V	0.5A	0.5%	150mV	79%
HF10W-S-48	48V	0.2A	0.5%	150mV	80%

* 3~48VDC output all available.

20W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF20W-S-5	5V	4.0A	0.5%	80mV	70%
HF20W-S-12	12V	2.0A	0.5%	120mV	76%
HF20W-S-15	15V	1.5A	0.5%	120mV	77%
HF20W-S-24	24V	1.0A	0.5%	150mV	78%
HF20W-S-48	48V	0.5A	0.5%	150mV	79%

* 3~48VDC output all available.

35W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF35W-S-5	5V	7.0A	0.5%	80mV	73%
HF35W-S-12	12V	3.0A	0.5%	120mV	76%
HF35W-S-15	15V	2.4A	0.5%	120mV	79%
HF35W-S-18	18V	2.0A	0.5%	150mV	79%
HF35W-S-24	24V	1.5A	0.5%	150mV	79%
HF35W-S-48	48V	0.7A	0.5%	150mV	80%

* 3~48VDC output all available.

55W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF55W-S-5	5V	11.0A	0.5%	80mV	74%
HF55W-S-12	12V	4.6A	0.5%	120mV	78%
HF55W-S-15	15V	3.7A	0.5%	120mV	79%
HF55W-S-18	18V	3.0A	0.5%	150mV	80%
HF55W-S-24	24V	2.3A	0.5%	150mV	81%
HF55W-S-48	48V	1.2A	0.5%	150mV	82%

* 3~48VDC output all available.

70W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF70W-S-12	12V	6.0A	0.5%	120mV	80%
HF70W-S-15	15V	4.7A	0.5%	120mV	81%
HF70W-S-18	18V	4.0A	0.5%	150mV	81%
HF70W-S-24	24V	3.0A	0.5%	150mV	82%
HF70W-S-27	27V	2.6A	0.5%	150mV	84%
HF70W-S-48	48V	1.5A	0.5%	150mV	85%

* 12~48VDC output all available.

100W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF100W-S-5	5V	20.0A	0.5%	100mV	78%
HF100W-S-12	12V	9.0A	0.5%	120mV	82%
HF100W-S-13.8	13.8V	8.0A	0.5%	120mV	81%
HF100W-S-15	15V	7.0A	0.5%	120mV	83%
HF100W-S-18	18V	7.0A	0.5%	150mV	84%
HF100W-S-24	24V	5.0A	0.5%	150mV	85%
HF100W-S-36	36V	3.0A	0.5%	150mV	86%
HF100W-S-48	48V	2.1A	0.5%	150mV	86%

* 3~48VDC output all available.

150W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF150W-S-5	5V	30.0A	0.5%	100mV	79%
HF150W-S-12	12V	12.5A	0.5%	120mV	82%
HF150W-S-15	15V	10.0A	0.5%	150mV	83%
HF150W-S-24	24V	6.3A	0.5%	150mV	84%
HF150W-S-28	28V	6.0A	0.5%	150mV	85%
HF150W-S-36	36V	4.2A	0.5%	150mV	85%
HF150W-S-48	48V	3.1A	0.5%	150mV	85%

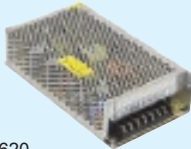
* 3~48VDC output all available.

240W~1500W Single Output Standard Series

Features:

- Traditional series, high reliability
- Top international brand components for key parts
- Built-in EMI filter

- Built in fan speed control (HF300W-S, HF350W-S, HF400W-S)
- Forced air cooling by built in fan (HF500W-S ~ HF1500W-S)
- Protections: overload/ short circuit/ over voltage/ over temperature (HF300W-S ~ HF1500W-S)
- 5 years limited warranty

Product picture					
	F620	F630	F630C	F630	F650
Model No.	HF240W-S	HF300W-S	HF350W-S	HF400W-S	HF500W-S ~ HF1500W-S
Dimension (mm)	200×110×50	241×124×65	215×115×50	241×124×65	250×160×87
Weight & packing (/CTN)	0.83kg/pcs, 20pcs	1.20kg/pcs, 16pcs	0.98kg/pcs, 16pcs	1.20kg/pcs, 16pcs	2.8~3.0kg/pcs, 6pcs
AC input voltage range	170~264VAC (210~370VDC)				
Input frequency	47~63Hz				
Inrush current	cold start, 40A/230VAC		cold start, 60A/230VAC		
Input leakage current	< 0.7mA/ 230VAC				< 1mA/ 230VAC
Line regulation (full load)	≤ ± 0.5%				
Voltage adjust range	± 10%				
Overload protection	105~130%, shut off, re-power on to recover	105~130%, current limiting, auto recovery	105~130%, shut off, re-power on to recover	105~130%, current limiting, auto recovery	
Over voltage protection	--	115~150%, shut off, re-power on to recover			
Withstand voltage	I/P -O/P: 1.5KVAC/1min; I/P -F/G: 1.5KVAC/1min; O/P-F/G: 0.5KVAC/1min				
Rise time	50ms@full load (typical)				
Hold up time	20ms@full load (typical)				
Operating temperature	-20℃~+70℃ (refer to the derating curve)				
Safety standards	design meet GB4943, UL60950, EN60950				
Cooling method	convection		fan		

240W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF240W-S-5	5V	40.0A	0.5%	100mV	80%
HF240W-S-9	9V	22.0A	0.5%	100mV	82%
HF240W-S-12	12V	20.0A	0.5%	120mV	84%
HF240W-S-15	15V	15.0A	0.5%	150mV	85%
HF240W-S-24	24V	10.0A	0.5%	150mV	85%
HF240W-S-27	27V	8.0A	0.5%	150mV	87%
HF240W-S-36	36V	7.0A	0.5%	150mV	88%
HF240W-S-48	48V	5.0A	0.5%	150mV	87%

* 3~48VDC output all available.

300W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF300W-S-5	5V	60.0A	0.5%	120mV	78%
HF300W-S-12	12V	25.0A	0.5%	150mV	84%
HF300W-S-15	15V	20.0A	0.5%	150mV	84%
HF300W-S-24	24V	12.5A	0.5%	150mV	87%
HF300W-S-28	28V	11.0A	0.5%	200mV	87%
HF300W-S-48	48V	6.3A	0.5%	240mV	88%

* 3~48VDC output all available.

350W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF350W-S-5	5V	60.0A	0.5%	120mV	77%
HF350W-S-7.5	7.5V	40.0A	0.5%	120mV	80%
HF350W-S-12	12V	29.0A	0.5%	150mV	82%
HF350W-S-13.5	13.5V	25.8A	0.5%	150mV	83%
HF350W-S-15	15V	23.2A	0.5%	150mV	84%
HF350W-S-24	24V	14.6A	0.5%	150mV	84%
HF350W-S-27	27V	13.0A	0.5%	200mV	86%
HF350W-S-48	48V	7.3A	0.5%	240mV	86%

* 3~48VDC output all available.

400W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF400W-S-12	12V	33.0A	0.5%	150mV	83%
HF400W-S-24	24V	17.0A	0.5%	150mV	86%
HF400W-S-32	32V	14.0A	0.5%	200mV	86%
HF400W-S-36	36V	13.0A	0.5%	200mV	86%
HF400W-S-48	48V	8.3A	0.5%	240mV	85%

* 12~48VDC output all available.

500W~1000W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF500W-S-12	12V	42.0A	0.5%	150mV	83%
HF500W-S-24	24V	21.0A	0.5%	150mV	84%
HF500W-S-48	48V	10.0A	0.5%	240mV	88%
HF600W-S-24	24V	25.0A	0.5%	150mV	86%
HF600W-S-32	32V	20.0A	0.5%	200mV	87%
HF600W-S-48	48V	13.0A	0.5%	240mV	88%
HF700W-S-48	48V	15.0A	0.5%	240mV	88%
HF800W-S-24	24V	33.0A	0.5%	150mV	84%
HF800W-S-28	28V	30.0A	0.5%	200mV	88%
HF800W-S-30	30V	27.0A	0.5%	200mV	88%
HF800W-S-48	48V	17.0A	0.5%	240mV	88%
HF900W-S-30	30V	30.0A	0.5%	200mV	86%
HF1000W-S-24	24V	42.0A	0.5%	150mV	84%
HF1000W-S-27	27V	40.0A	0.5%	200mV	87%
HF1000W-S-28	28V	35.0A	0.5%	200mV	87%
HF1000W-S-48	48V	21.0A	0.5%	240mV	88%

1500W Single Output

HF1500W-S-24	24V	62.0A	0.5%	200mV	84%
HF1500W-S-36	36V	42.0A	0.5%	200mV	87%
HF1500W-S-48	48V	31.0A	0.5%	240mV	88%

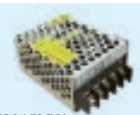
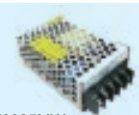
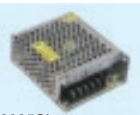
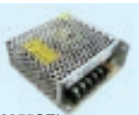
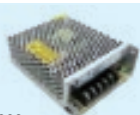
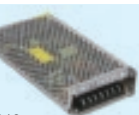
15W~150W Single Output SM Series

Features:

- AC input / full range
- Miniature size, high power density
- Top international brand components for key parts



- UL, CE approved (refer to spec. of each series)
- Protections: overload/ over voltage/ short circuit
- 5 years limited warranty

Product picture								
Model No.	HF15W-SSM	HF25W-SSM	HF35W-SSM	HF50W-SSM	HF75W-SSM	HF100W-SMF	HF150W-SMF	
Dimension (mm)	62.5×51×28	78×51×28	98.5×82×35	99×97×38	129×98×40	160×98×39	199×98×39	
Weight & packing (/CTN)	0.13kg, 108pcs	0.18kg, 90pcs	0.25kg, 60pcs	0.28kg, 42pcs	0.42kg, 42pcs	0.43kg, 30pcs	0.66kg, 28pcs	
AC input voltage range	88~264VAC (124~370VDC)					85~132/170~264VAC selected by switch		
Input frequency	47~63Hz							
Inrush current	cold start, 15A/115V, 30A/230V	cold start, 20A/115V, 40A/230V						
Input leakage current	< 0.7mA/ 230VAC		< 1mA/ 230VAC					
Line regulation (full load)	≤ ± 0.5%							
Voltage adjust range	± 10%							
Overload protection	105~150%, hiccup mode, auto recovery					105~130%, shut off, re-power on to recover		
Over voltage protection	clamping by zener diode		115~150%, shut off, re-power on to recover					
Withstand voltage	I/P -O/P: 3.0KVAC/1min; I/P -F/G: 1.5KVAC/1min; O/P-F/G: 0.5KVAC/1min							
Rise time	50ms@full load (typical)							
Hold up time	20ms@full load (typical)							
Operating temperature	-20℃~-+70℃ (refer to the derating curve)							
Safety standards	GB4943, UL60950, EN60950							
EMC standards	GB9254, EN55022 class B, EN55024, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11							
Cooling method	convection							

15W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF15W-SSM-5	5V	3.0A	0.5%	80mV	76%
HF15W-SSM-12	12V	1.3A	0.5%	120mV	82%
HF15W-SSM-24	24V	0.625A	0.5%	150mV	83%
HF15W-SSM-48	48V	0.33A	0.5%	150mV	83%

25W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF25W-SSM-5	5V	5.0A	0.5%	80mV	78%
HF25W-SSM-12	12V	2.1A	0.5%	120mV	82%
HF25W-SSM-15	15V	1.7A	0.5%	120mV	82%
HF25W-SSM-24	24V	1.1A	0.5%	150mV	85%
HF25W-SSM-48	48V	0.57A	0.5%	150mV	85%

35W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF35W-SSM-5	5V	7.0A	0.5%	80mV	74%
HF35W-SSM-12	12V	3.0A	0.5%	120mV	81%
HF35W-SSM-15	15V	2.4A	0.5%	120mV	81%
HF35W-SSM-24	24V	1.5A	0.5%	150mV	82%
HF35W-SSM-36	36V	1.0A	0.5%	150mV	85%
HF35W-SSM-48	48V	0.8A	0.5%	150mV	85%

50W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF50W-SSM-5	5V	10.0A	0.5%	80mV	80%
HF50W-SSM-12	12V	4.2A	0.5%	120mV	82%
HF50W-SSM-15	15V	3.4A	0.5%	120mV	82%
HF50W-SSM-24	24V	2.2A	0.5%	150mV	85%
HF50W-SSM-36	36V	1.45A	0.5%	150mV	86%
HF50W-SSM-48	48V	1.1A	0.5%	150mV	86%

* Other output voltage also available, please send inquiry.

75W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF75W-SSM-5	5V	12.0A	0.5%	80mV	73%
HF75W-SSM-12	12V	6.0A	0.5%	120mV	82%
HF75W-SSM-24	24V	3.2A	0.5%	150mV	84%
HF75W-SSM-48	48V	1.6A	0.5%	150mV	85%

100W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF100W-SMF-5	5V	14.0A	0.5%	100mV	78%
HF100W-SMF-12	12V	8.5A	0.5%	120mV	83%
HF100W-SMF-15	15V	7.0A	0.5%	120mV	83%
HF100W-SMF-24	24V	4.5A	0.5%	150mV	86%
HF100W-SMF-48	48V	2.3A	0.5%	150mV	86%

150W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF150W-SMF-5	5V	25.0A	0.5%	100mV	80%
HF150W-SMF-12	12V	12.5A	0.5%	120mV	84%
HF150W-SMF-15	15V	10.0A	0.5%	120mV	84%
HF150W-SMF-24	24V	6.5A	0.5%	150mV	85%
HF150W-SMF-48	48V	3.1A	0.5%	150mV	87%



UL Certificate / 证书



CE Certificate / 证书



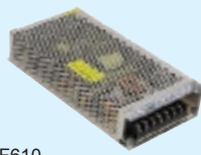
ROHS Certificate / 证书

30W~1000W Single Output M Series

Features:

- Compact size design, high reliability
- Top brand components for key parts
- Built-in EMI filter

- Protections: overload/ over voltage/ short circuit
- over temperature (HF350W/ 500W/ 600W/ 1000W-SM)
- 5 years limited warranty

Product picture					
Model No.	F602	F610	F635SM	F630	F650D
Model No.	HF30W-SM	HF150W-SM	HF350W-SM	HF500W-SM, HF600W-SM	HF1000W-SM
Dimension (mm)	111×78×36	199×98×39	199×98×50	241×124×65	253×160×69
Weight & packing (/CTN)	0.25kg, 60pcs	0.59kg, 28pcs	0.71kg, 20pcs	1.32kg, 16pcs	2.86kg, 6pcs
AC input voltage range	170~264VAC (210~370VDC)				
Input frequency	47~63Hz				
Inrush current	cold start, 40A/230VAC		cold start, 60A/230VAC		
Input leakage current	< 0.7mA/ 230VAC				< 1mA/ 230VAC
Line regulation (full load)	≤ ± 0.5%				
Voltage adjust range	± 10%				
Overload protection	105~150%, hiccup mode, auto recovery	105~130%, shut off, re-power on to recover		105~130%, current limiting, auto recovery	
Over voltage protection	--	115~150%, shut off, re-power on to recover			
Withstand voltage	I/P -O/P: 1.5KVAC/1min I/P -F/G: 1.5KVAC/1min O/P-F/G: 0.5KVAC/1min	I/P -O/P: 3.0KVAC/1min I/P -F/G: 1.5KVAC/1min O/P-F/G: 0.5KVAC/1min		I/P -O/P: 1.5KVAC/1min I/P -F/G: 1.5KVAC/1min O/P-F/G: 0.5KVAC/1min	
Rise time	50ms@full load (typical)				
Hold up time	20ms@full load (typical)				
Operating temperature	-20℃~+50℃				
Safety standards	design meet GB4943, UL60950, EN60950				
Cooling method	convection			fan	

30W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF30W-SM-5	5V	6.0A	0.5%	80mV	76%
HF30W-SM-12	12V	3.0A	0.5%	120mV	83%
HF30W-SM-15	15V	2.4A	0.5%	120mV	83%
HF30W-SM-24	24V	1.5A	0.5%	150mV	84%
HF30W-SM-48	48V	0.7A	0.5%	150mV	86%

* 5~48VDC output all available.

150W Single Output



Model	DC Output		Load regul.	R&N	Efficiency
HF150W-SM-5	5V	25.0A	0.5%	100mV	80%
HF150W-SM-12	12V	12.5A	0.5%	120mV	83%
HF150W-SM-15	15V	10.0A	0.5%	120mV	84%
HF150W-SM-18	18V	8.3A	0.5%	150mV	85%
HF150W-SM-24	24V	6.3A	0.5%	150mV	85%
HF150W-SM-48	48V	3.1A	0.5%	150mV	86%

* 5~48VDC output all available.

350W Single Output



Model	DC Output		Load regul.	R&N	Efficiency
HF350W-SM-12	12V	29.0A	0.5%	150mV	80%
HF350W-SM-15	15V	23.0A	0.5%	150mV	81%
HF350W-SM-24	24V	14.6A	0.5%	150mV	84%
HF350W-SM-36	36V	9.7A	0.5%	200mV	86%
HF350W-SM-48	48V	7.3A	0.5%	240mV	86%

* 12~48VDC output all available.

500W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF500W-SM-5	5V	80A	1.0%	120mV	80%
HF500W-SM-12	12V	42A	0.5%	150mV	84%
HF500W-SM-24	24V	21A	0.5%	150mV	85%
HF500W-SM-48	48V	10A	0.5%	240mV	86%

* 5~48VDC output all available.

600W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF600W-SM-12	12V	50A	0.5%	150mV	82%
HF600W-SM-24	24V	25A	0.5%	150mV	86%
HF600W-SM-48	48V	13A	0.5%	240mV	85%

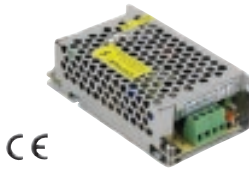
* 12~48VDC output all available.

1000W Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF1000W-SM-12	12V	84A	1.0%	150mV	84%
HF1000W-SM-24	24V	42A	0.5%	150mV	86%
HF1000W-SM-28	28V	35A	0.5%	200mV	87%
HF1000W-SM-48	48V	21A	0.5%	240mV	88%

* 12~48VDC output all available.

10W Dual Output Standard with approval



- Universal AC input / full range
- High reliability
- Approvals: CE
- Protections: overload/ over voltage/ short circuit
- 5 years limited warranty
- F601 100 × 58 × 31(mm)

AC input voltage range	85~264VAC (120~370VDC)
Inrush current	cold start, 15A/115V, 30A/230V
Input leakage current	< 0.7mA/ 230VAC
Line regulation (full load)	≤ ± 0.5%
Voltage tolerance	V ₁ : ≤ ± 1%, V ₂ : ≤ ± 3% (with regulator); ≤ ± 10% (without)
Output voltage adjust range	V ₁ : ± 5% of rated output voltage
Output overload protection	built-in IC protection, hiccup mode, auto recovery
Output over voltage protection	clamping by zener diode
Withstand voltage	I/P -O/P: 3.0KVAC/1min; I/P-F/G: 1.5KVAC/1min O/P-F/G: 0.5KVAC/1min
Rise, Hold up time	50ms, 20ms@full load (typical)
Operating temperature	-20°C~+50°C
Safety standards	GB4943, UL60950, EN60950
EMC standards	GB9254, EN55022 class B, EN55024 EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
Cooling method	convection

Model	DC Output		R&N	Efficiency
HF10W-DL-A	5V	0.20~1.8A	80mV	67%
	5V	0.10~1.0A	100mV	
HF10W-DL-B	5V	0.20~1.8A	80mV	72%
	12V	0.10~0.5A	120mV	
HF10W-DL-C	5V	0.20~1.8A	80mV	72%
	15V	0.10~0.5A	120mV	
HF10W-DL-D	5V	0.20~0.8A	80mV	70%
	24V	0.0~0.25A	150mV	

20W Dual Output Standard with approval

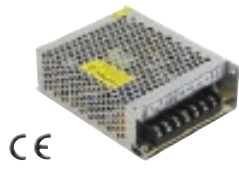


- Universal AC input / full range
- High reliability
- Approvals: CE
- Protections: overload/ over voltage/ short circuit
- 5 years limited warranty
- F602 111 × 78 × 36(mm)

AC input voltage range	85~264VAC (120~370VDC)
Inrush current	cold start, 15A/115V, 30A/230V
Input leakage current	< 1mA/ 230VAC
Line regulation (full load)	≤ ± 0.5%
Voltage tolerance	V ₁ : ≤ ± 1%, V ₂ : ≤ ± 3% (with regulator); ≤ ± 10% (without)
Output voltage adjust range	V ₁ : ± 5% of rated output voltage
Output overload protection	built-in IC protection, hiccup mode, auto recovery
Output over voltage protection	clamping by zener diode
Withstand voltage	I/P -O/P: 3.0KVAC/1min; I/P-F/G: 1.5KVAC/1min O/P-F/G: 0.5KVAC/1min
Rise, Hold up time	50ms, 20ms@full load (typical)
Operating temperature	-20°C~+50°C
Safety standards	GB4943, UL60950, EN60950
EMC standards	GB9254, EN55022 class B, EN55024 EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
Cooling method	convection

Model	DC Output		R&N	Efficiency
HF20W-DL-A	5V	0.5~3.0A	80mV	70%
	5V	0.0~1.0A	100mV	
HF20W-DL-B	5V	0.4~2.0A	80mV	73%
	12V	0.0~1.0A	120mV	
HF20W-DL-C	5V	0.2~1.0A	80mV	73%
	15V	0.0~1.0A	120mV	
HF20W-DL-D	5V	0.4~2.0A	80mV	74%
	24V	0.0~0.5A	150mV	

40W Dual Output Standard with approval

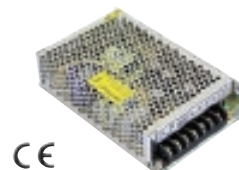


- Universal AC input / full range
- High reliability
- Approvals: CE
- Protections: overload/ over voltage/ short circuit
- 5 years limited warranty
- F603 129 × 98 × 40(mm)

AC input voltage range	85~264VAC (120~370VDC)
Inrush current	cold start, 20A/115V, 40A/230V
Input leakage current	< 1mA/ 230VAC
Line regulation (full load)	≤ ± 0.5%
Voltage tolerance	V ₁ : ≤ ± 1%, V ₂ : ≤ ± 3% (with regulator); ≤ ± 10% (without)
Output voltage adjust range	V ₁ : ± 5% of rated output voltage
Output overload protection	105~150%, hiccup mode, auto recovery
Output over voltage protection	115~150%, hiccup mode, auto recovery
Withstand voltage	I/P -O/P: 3.0KVAC/1min I/P -F/G: 1.5KVAC/1min O/P-F/G: 0.5KVAC/1min
Rise, Hold up time	50ms, 20ms@full load (typical)
Operating temperature	-20°C~+50°C
Safety standards	GB4943, UL60950, EN60950
EMC standards	GB9254, EN55022 class B, EN55024 EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
Cooling method	convection

Model	DC Output		R&N	Efficiency
HF40W-DL-A	5V	1.0~5.0A	80mV	69%
	5V	0.0~2.0A	100mV	
HF40W-DL-B	5V	0.5~3.0A	80mV	74%
	12V	0.0~2.0A	120mV	
HF40W-DL-C	5V	0.4~2.0A	80mV	73%
	24V	0.0~1.0A	150mV	
HF40W-DL-D	12V	0.5~2.5A	120mV	77%
	12V	0.0~1.5A	120mV	

60W Dual Output Standard with approval

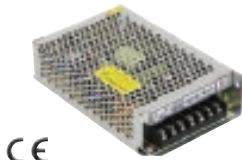


- Universal AC input / full range
- High reliability
- Approvals: CE
- Protections: overload/ over voltage/ short circuit
- 5 years limited warranty
- F605 160 × 98 × 39(mm)

AC input voltage range	85~264VAC (120~370VDC)
Inrush current	cold start, 20A/115V, 40A/230V
Input leakage current	< 1mA/ 230VAC
Line regulation (full load)	≤ ± 0.5%
Voltage tolerance	V ₁ : ≤ ± 1%, V ₂ : ≤ ± 3% (with regulator); ≤ ± 10% (without)
Output voltage adjust range	V ₁ : ± 5% of rated output voltage
Output overload protection	105~150%, hiccup mode, auto recovery
Output over voltage protection	115~150%, hiccup mode, auto recovery
Withstand voltage	I/P -O/P: 3.0KVAC/1min I/P -F/G: 1.5KVAC/1min O/P-F/G: 0.5KVAC/1min
Rise, Hold up time	50ms, 20ms@full load (typical)
Operating temperature	-20°C~+50°C
Safety standards	GB4943, UL60950, EN60950
EMC standards	GB9254, EN55022 class B, EN55024 EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
Cooling method	convection

Model	DC Output		R&N	Efficiency
HF60W-DL-A	5V	1.0~6.0A	80mV	76%
	12V	0.0~2.5A	120mV	
HF60W-DL-B	5V	0.3~6.0A	80mV	79%
	24V	0.4~2.0A	150mV	
HF60W-DL-C	12V	0.4~2.3A	120mV	78%
	12V	0.0~2.3A	120mV	
HF60W-DL-D	15V	0.3~3.0A	120mV	82%
	15V	0.2~2.5A	120mV	

70W Dual Output Standard with approval

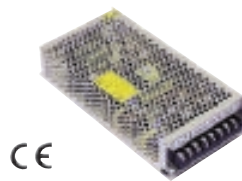


- AC input range selected by switch
- High reliability
- Approvals: CE
- Protections: overload/ over voltage/ short circuit
- 5 years limited warranty
- F605 160 × 98 × 39(mm)

AC input voltage range85~132/ 170~264VAC selected by switch
Inrush currentcold start, 20A/115V, 40A/230V
Input leakage current.....< 1mA/ 230VAC
Line regulation (full load)≤ ± 0.5%
Voltage tolerance.....V₁: ≤ ± 1%, V₂: ≤ ± 3% (with regulator);
≤ ± 10% (without)
Output voltage adjust rangeV_i: ± 5% of rated output voltage
Output overload protection105~150%, hiccup mode, auto recovery
Output over voltage protection115~150%, hiccup mode, auto recovery
Withstand voltage.....I/P -O/P: 3.0KVAC/1min
I/P -F/G: 1.5KVAC/1min
O/P-F/G: 0.5KVAC/1min
Rise time.....50ms@full load (typical)
Hold up time20ms@full load (typical)
Operating temperature-20°C~+50°C
Safety standards.....GB4943, UL60950, EN60950
EMC standards.....GB9254, EN55022 class B, EN55024
EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
Cooling methodconvection

Model	DC Output		R&N	Efficiency
HF70W-DF-A	12V	0.5~4.0A	120mV	79%
	12V	0.0~2.0A	120mV	
HF70W-DF-B	12V	0.5~4.5A	120mV	78%
	15V	0.0~1.0A	120mV	
HF70W-DF-C	12V	0.2~5.0A	120mV	79%
	24V	0.0~2.0A	150mV	

100W Dual Output Standard with approval



- AC input range selected by switch
- High reliability
- Approvals: CE
- Protections: overload/ over voltage/ short circuit
- 5 years limited warranty
- F610 199 × 98 × 39(mm)

AC input voltage range85~132/ 170~264VAC selected by switch
Inrush currentcold start, 20A/115V, 40A/230V
Input leakage current.....< 1mA/ 230VAC
Line regulation (full load)≤ ± 0.5%
Voltage tolerance.....V₁: ≤ ± 1%, V₂: ≤ ± 3%
Output voltage adjust rangeV_i: ± 5% of rated output voltage
Output overload protection105~130%, shut off, re-power on to recover
Output over voltage protection115~150%, shut off, re-power on to recover
Withstand voltage.....I/P -O/P: 3.0KVAC/1min
I/P -F/G: 1.5KVAC/1min
O/P-F/G: 0.5KVAC/1min
Rise time.....50ms@full load (typical)
Hold up time20ms@full load (typical)
Operating temperature-20°C~+50°C
Safety standards.....GB4943, UL60950, EN60950
EMC standards.....GB9254, EN55022 class B, EN55024
EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
Cooling methodconvection

Model	DC Output		R&N	Efficiency
HF100W-DF-A	5V	2.0~10.0A	100mV	74%
	12V	0.0~4.0A	120mV	
HF100W-DF-B	5V	3.0~15.0A	100mV	80%
	15V	0.0~2.0A	120mV	
HF100W-DF-C	5V	2.0~15.0A	100mV	80%
	24V	0.6~3.0A	150mV	
HF100W-DF-G	24V	0.5~4.0A	150mV	81%
	5V	0.0~2.0A	100mV	

10W Triple Output Standard with approval

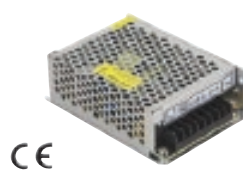


- Universal AC input / full range
- High reliability
- Approvals: CE
- Protections: overload/ over voltage/ short circuit
- 5 years limited warranty
- F601 100 × 58 × 31(mm)

AC input voltage range85~264VAC (120~370VDC)
Inrush currentcold start, 15A/115V, 30A/230V
Input leakage current.....< 0.7mA/ 230VAC
Line regulation (full load)≤ ± 0.5%
Voltage tolerance.....V₁: ≤ ± 1%, V₂,V₃: ≤ ± 3% (with regulators);
≤ ± 10% (without)
Output voltage adjust rangeV_i: ± 5% of rated output voltage
Output overload protectionbuilt-in IC protection, hiccup mode,
auto recovery
Output over voltage protectionclamping by zener diode
Withstand voltage.....I/P -O/P:3.0KVAC/1min;I/P-F/G:1.5KVAC/1min
O/P-F/G:0.5KVAC/1min
Rise, Hold up time50ms, 20ms@full load (typical)
Operating temperature-20°C~+50°C
Safety standards.....GB4943, UL60950, EN60950
EMC standards.....GB9254, EN55022 class B, EN55024
EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
Cooling methodconvection

Model	DC Output		R&N	Efficiency
HF10W-TL-A	5V	0.3~1.5A	80mV	70%
	+12V	0.0~0.2A	120mV	
	-12V	0.0~0.1A	120mV	
HF10W-TL-B	5V	0.2~1.3A	80mV	70%
	+15V	0.0~0.2A	120mV	
	-15V	0.0~0.1A	120mV	
HF10W-TL-C	5V	0.2~1.4A	80mV	68%
	+12V	0.0~0.15A	120mV	
	-5V	0.0~0.1A	80mV	

20W Triple Output Standard with approval

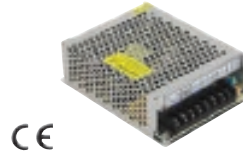


- Universal AC input / full range
- High reliability
- Approvals: CE
- Protections: overload/ over voltage/ short circuit
- 5 years limited warranty
- F602 111 × 78 × 36(mm)

AC input voltage range85~264VAC (120~370VDC)
Inrush currentcold start, 15A/115V, 30A/230V
Input leakage current.....< 1mA/ 230VAC
Line regulation (full load)≤ ± 0.5%
Voltage tolerance.....V₁: ≤ ± 1%, V₂,V₃: ≤ ± 3% (with regulators);
≤ ± 10% (without)
Output voltage adjust rangeV_i: ± 5% of rated output voltage
Output overload protectionbuilt-in IC protection, hiccup mode,
auto recovery
Output over voltage protectionclamping by zener diode
Withstand voltage.....I/P -O/P:3.0KVAC/1min;I/P-F/G:1.5KVAC/1min
O/P-F/G:0.5KVAC/1min
Rise, Hold up time50ms, 20ms@full load (typical)
Operating temperature-20°C~+50°C
Safety standards.....GB4943, UL60950, EN60950
EMC standards.....GB9254, EN55022 class B, EN55024
EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
Cooling methodconvection

Model	DC Output		R&N	Efficiency
HF20W-TL-A	5V	0.4~2.0A	80mV	69%
	+12V	0.0~0.5A	120mV	
	-12V	0.0~0.35A	120mV	
HF20W-TL-B	5V	0.5~2.5A	80mV	74%
	+15V	0.0~0.25A	120mV	
	-15V	0.0~0.25A	120mV	
HF20W-TL-C	5V	0.5~2.5A	80mV	68%
	+12V	0.0~0.5A	120mV	
	-5V	0.0~0.35A	80mV	

40W Triple Output Standard with approval



- Universal AC input / full range
- High reliability
- Approvals: CE
- Protections: overload/ over voltage/ short circuit
- 5 years limited warranty
- F603 129 × 98 × 40(mm)

AC input voltage range85~264VAC (120~370VDC)
Inrush currentcold start, 20A/115V, 40A/230V
Input leakage current.....< 1mA/ 230VAC
Line regulation (full load)≤ ± 0.5%
Voltage tolerance.....V₁: ≤ ± 1%, V₂,V₃: ≤ ± 3% (with regulators);
≤ ± 10% (without)
Output voltage adjust rangeV_i: ± 5% of rated output voltage
Output overload protection105~150%, hiccup mode, auto recovery
Output over voltage protection115~150%, hiccup mode, auto recovery
Withstand voltage.....I/P -O/P:3.0KVAC/1min;I/P-F/G:1.5KVAC/1min
O/P-F/G:0.5KVAC/1min
Rise, Hold up time50ms, 20ms@full load (typical)
Operating temperature-20°C~+50°C
Safety standards.....GB4943, UL60950, EN60950
EMC standards.....GB9254, EN55022 class B, EN55024
EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
Cooling methodconvection

Model	DC Output		R&N	Efficiency
HF40W-TL-A	5V	0.5~4.0A	80mV	77%
	+12V	0.0~1.0A	120mV	
	-12V	0.0~0.7A	120mV	
HF40W-TL-B	5V	0.5~4.0A	80mV	70%
	+15V	0.0~1.0A	120mV	
	-15V	0.0~0.3A	120mV	
HF40W-TL-C	5V	0.5~4.0A	80mV	68%
	+12V	0.0~1.0A	120mV	
	-5V	0.0~0.5A	80mV	

60W Triple Output Standard with approval

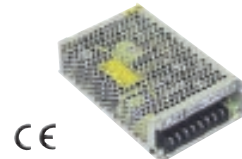


- Universal AC input / full range
- High reliability
- Approvals: CE
- Protections: overload/ over voltage/ short circuit
- 5 years limited warranty
- F605 160 × 98 × 39(mm)

AC input voltage range85~264VAC (120~370VDC)
Inrush currentcold start, 20A/115V, 40A/230V
Input leakage current.....< 1mA/ 230VAC
Line regulation (full load)≤ ± 0.5%
Voltage tolerance.....V₁: ≤ ± 1%, V₂,V₃: ≤ ± 3% (with regulators);
≤ ± 10% (without)
Output voltage adjust rangeV_i: ± 5% of rated output voltage
Output overload protection105~150%, hiccup mode, auto recovery
Output over voltage protection115~150%, hiccup mode, auto recovery
Withstand voltage.....I/P -O/P: 3.0KVAC/1min
I/P -F/G: 1.5KVAC/1min
O/P-F/G: 0.5KVAC/1min
Rise, Hold up time50ms, 20ms@full load (typical)
Operating temperature-20°C~+50°C
Safety standards.....GB4943, UL60950, EN60950
EMC standards.....GB9254, EN55022 class B, EN55024
EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
Cooling methodconvection

Model	DC Output		R&N	Efficiency
HF60W-TL-A	5V	1.0~6.0A	80mV	74%
	+12V	0.0~1.5A	120mV	
	-12V	0.0~1.0A	120mV	
HF60W-TL-B	5V	1.0~5.0A	80mV	76%
	+15V	0.0~2.0A	120mV	
	-15V	0.0~0.83A	120mV	
HF60W-TL-C	5V	1.5~8.0A	80mV	75%
	+12V	0.0~1.2A	120mV	
	-5V	0.0~0.37A	80mV	

70W Triple Output Standard with approval

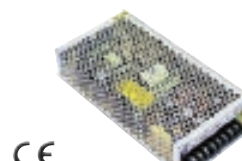


- AC input range selected by switch
- High reliability
- Approvals: CE
- Protections: overload/ over voltage/ short circuit
- 5 years limited warranty
- F605 160 × 98 × 39(mm)

AC input voltage range85~132/ 170~264VAC selected by switch
Inrush currentcold start, 20A/115V, 40A/230V
Input leakage current.....< 1mA/ 230VAC
Line regulation (full load)≤ ± 0.5%
Voltage tolerance.....V₁: ≤ ± 1%, V₂,V₃: ≤ ± 3% (with regulators);
≤ ± 10% (without)
Output voltage adjust rangeV_i: ± 5% of rated output voltage
Output overload protection105~150%, hiccup mode, auto recovery
Output over voltage protection115~150%, hiccup mode, auto recovery
Withstand voltage.....I/P -O/P:3.0KVAC/1min;I/P-F/G:1.5KVAC/1min
O/P-F/G:0.5KVAC/1min
Rise, Hold up time50ms, 20ms@full load (typical)
Operating temperature-20°C~+50°C
Safety standards.....GB4943, UL60950, EN60950
EMC standards.....GB9254, EN55022 class B, EN55024
EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
Cooling methodconvection

Model	DC Output		R&N	Efficiency
HF70W-TF-A	5V	1.0~6.0A	80mV	70%
	+12V	0.0~2.0A	120mV	
	-12V	0.0~1.33A	120mV	
HF70W-TF-B	5V	1.0~6.5A	80mV	72%
	+15V	0.0~1.5A	120mV	
	-15V	0.0~1.0A	120mV	
HF70W-TF-C	5V	1.5~8.0A	80mV	70%
	+12V	0.0~2.0A	120mV	
	-5V	0.0~0.4A	80mV	

100W Triple Output Standard with approval



- AC input range selected by switch
- High reliability
- Approvals: CE
- Protections: overload/ over voltage/ short circuit
- 5 years limited warranty
- F610 199 × 98 × 39(mm)

AC input voltage range85~132/ 170~264VAC selected by switch
Inrush currentcold start, 20A/115V, 40A/230V
Input leakage current.....< 1mA/ 230VAC
Line regulation (full load)≤ ± 0.5%
Voltage tolerance.....V₁: ≤ ± 1%, V₂,V₃: ≤ ± 3%
Output voltage adjust rangeV_i: ± 5% of rated output voltage
Output overload protection105~130%, shut off, re-power on to recover
Output over voltage protection115~150%, shut off, re-power on to recover
Withstand voltage.....I/P -O/P: 3.0KVAC/1min
I/P -F/G: 1.5KVAC/1min
O/P-F/G: 0.5KVAC/1min
Rise time.....50ms@full load (typical)
Hold up time20ms@full load (typical)
Operating temperature-20°C~+50°C
Safety standards.....GB4943, UL60950, EN60950
EMC standards.....GB9254, EN55022 class B, EN55024
EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
Cooling methodconvection

Model	DC Output		R&N	Efficiency
HF100W-TF-A	5V	2.0~12.0A	100mV	74%
	+12V	0.0~2.0A	120mV	
	-12V	0.0~1.0A	120mV	
HF100W-TF-B	5V	2.0~10.0A	100mV	74%
	+15V	0.0~2.0A	120mV	
	-15V	0.0~1.0A	120mV	

10W Dual Output Standard Series



- High reliability, low cost
- Top brand components for key parts
- Built-in EMI filter
- Protections: overload/ short circuit
- 5 years limited warranty
- F601 100 × 58 × 31(mm)

AC input voltage range170~264VAC (210~370VDC)
Inrush currentcold start, 30A/230V
Input leakage current.....< 0.7mA/ 230VAC
Line regulation (full load)≤ ± 0.5%
Voltage tolerance.....V₁: ≤ ± 1%, V₂: ≤ ± 3% (with regulator);
≤ ± 10% (without)

Output voltage adjust rangeV₁: ± 5% of rated output voltage
Output overload protection105~150%, hiccup mode, auto recovery
Withstand voltage.....I/P -O/P: 1.5KVAC/1min
I/P -F/G: 1.5KVAC/1min
O/P-F/G: 0.5KVAC/1min

Rise time.....50ms@full load (typical)
Hold up time20ms@full load (typical)
Operating temperature-20℃~+50℃
Safety standards.....design meet GB4943, UL60950, EN60950
Cooling methodconvection

Model	DC Output		R&N	Efficiency
HF10W-D-A	5V	0.3~1.5A	80mV	66%
	5V	0.0~0.3A	100mV	
HF10W-D-B	5V	0.3~1.5A	80mV	69%
	12V	0.0~0.3A	120mV	
HF10W-D-C	5V	0.2~1.2A	80mV	68%
	15V	0.0~0.2A	120mV	
HF10W-D-D	5V	0.2~1.2A	80mV	71%
	24V	0.0~0.2A	150mV	

20W Dual Output Standard Series



- High reliability, low cost
- Top brand components for key parts
- Built-in EMI filter
- Protections: overload/ short circuit
- 5 years limited warranty
- F602 111 × 78 × 36(mm)

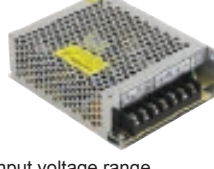
AC input voltage range170~264VAC (210~370VDC)
Inrush currentcold start, 30A/230V
Input leakage current.....< 0.7mA/ 230VAC
Line regulation (full load)≤ ± 0.5%
Voltage tolerance.....V₁: ≤ ± 1%, V₂: ≤ ± 3% (with regulator);
≤ ± 10% (without)

Output voltage adjust rangeV₁: ± 5% of rated output voltage
Output overload protection105~150%
Withstand voltage.....I/P -O/P: 1.5KVAC/1min
I/P -F/G: 1.5KVAC/1min
O/P-F/G: 0.5KVAC/1min

Rise time.....50ms@full load (typical)
Hold up time20ms@full load (typical)
Operating temperature-20℃~+50℃
Safety standards.....design meet GB4943, UL60950, EN60950
Cooling methodconvection

Model	DC Output		R&N	Efficiency
HF20W-D-A	5V	0.5~3.0A	80mV	62%
	5V	0.0~1.0A	100mV	
HF20W-D-B	5V	0.4~3.0A	80mV	70%
	12V	0.0~1.0A	120mV	
HF20W-D-C	5V	0.5~3.0A	80mV	70%
	15V	0.0~0.5A	120mV	
HF20W-D-D	5V	0.4~2.0A	80mV	71%
	24V	0.0~0.5A	150mV	

35W Dual Output Standard Series



- High reliability, low cost
- Top brand components for key parts
- Built-in EMI filter
- Protections: overload/ short circuit
- 5 years limited warranty
- F603 129 × 98 × 40(mm)

AC input voltage range170~264VAC (210~370VDC)
Inrush currentcold start, 40A/230V
Input leakage current.....< 0.7mA/ 230VAC
Line regulation (full load)≤ ± 0.5%
Voltage tolerance.....V₁: ≤ ± 1%, V₂: ≤ ± 3% (with regulator);
≤ ± 10% (without)

Output voltage adjust rangeV₁: ± 5% of rated output voltage
Output overload protection105~150%
Withstand voltage.....I/P -O/P:1.5KVAC/1min;I/P-F/G:1.5KVAC/1min
O/P-F/G:0.5KVAC/1min

Rise, Hold up time50ms, 20ms@full load (typical)
Operating temperature-20℃~+50℃
Safety standards.....design meet GB4943, UL60950, EN60950
Cooling methodconvection

Model	DC Output		R&N	Efficiency
HF35W-D-B	5V	0.5~5.0A	80mV	77%
	12V	0.0~2.0A	120mV	
HF35W-D-C	5V	0.5~5.0A	80mV	78%
	24V	0.0~1.0A	150mV	
HF35W-D-M	12V	0.2~2.5A	120mV	75%
	-12V	0.0~1.0A	120mV	
HF35W-D-K	15V	0.2~1.2A	120mV	81%
	-15V	0.0~1.2A	120mV	

55W~70W Dual Output Standard Series



- High reliability, low cost
- Top brand components for key parts
- Built-in EMI filter
- Protections: overload/ short circuit
- 5 years limited warranty
- F605 160 × 98 × 39(mm)

AC input voltage range170~264VAC (210~370VDC)
Inrush currentcold start, 40A/230V
Input leakage current.....< 0.7mA/ 230VAC
Line regulation (full load)≤ ± 0.5%
Voltage tolerance.....V₁: ≤ ± 1%, V₂: ≤ ± 3% (with regulator);
≤ ± 10% (without)

Output voltage adjust rangeV₁: ± 5% of rated output voltage
Output overload protection105~150%, hiccup mode, auto recovery
Withstand voltage.....I/P -O/P:1.5KVAC/1min;I/P-F/G:1.5KVAC/1min
O/P-F/G:0.5KVAC/1min

Rise, Hold up time50ms, 20ms@full load (typical)
Operating temperature-20℃~+50℃
Safety standards.....design meet GB4943, UL60950, EN60950
Cooling methodconvection

Model	DC Output		R&N	Efficiency
HF55W-D-A	5V	0.5~7.0A	80mV	77%
	12V	0.0~2.0A	120mV	
HF55W-D-B	5V	0.5~6.0A	80mV	76%
	24V	0.0~2.0A	150mV	
HF55W-D-L	15V	0.4~2.0A	120mV	78%
	-15V	0.0~2.0A	120mV	
HF55W-D-S	12V	0.4~2.3A	120mV	75%
	-12V	0.0~2.3A	120mV	
HF55W-D-V	24V	0.2~1.2A	150mV	79%
	-24V	0.0~1.2A	150mV	
HF70W-D-F	24V	0.5~2.5A	150mV	85%
	5V	0.0~2.0A	100mV	
HF70W-D-G	24V	0.5~2.5A	150mV	81%
	12V	0.0~2.0A	120mV	
HF70W-D-H	5V	0.5~3.0A	100mV	75%
	24V	0.0~2.0A	150mV	

100W Dual Output Standard Series



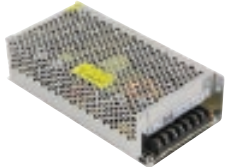
- High reliability, low cost
- Top brand components for key parts
- Built-in EMI filter
- Protections: overload/ short circuit
- 5 years limited warranty
- F610 199 × 98 × 39(mm)

AC input voltage range170~264VAC (210~370VDC)
Inrush currentcold start, 40A/230V
Input leakage current.....< 0.7mA/ 230VAC
Line regulation (full load)≤ ± 0.5%
Voltage tolerance.....V₁: ≤ ± 1%, V₂: ≤ ± 3%
Output voltage adjust rangeV₁: ± 5% of rated output voltage
Output overload protection105~130%, shut off, re-power on to recover
Withstand voltage.....I/P -O/P: 1.5KVAC/1min
I/P -F/G: 1.5KVAC/1min
O/P-F/G: 0.5KVAC/1min

Rise time.....50ms@full load (typical)
Hold up time20ms@full load (typical)
Operating temperature-20℃~+50℃
Safety standards.....design meet GB4943, UL60950, EN60950
Cooling methodconvection

Model	DC Output		R&N	Efficiency
HF100W-D-A	5V	2.0~10.0A	100mV	75%
	12V	0.0~4.0A	120mV	
HF100W-D-C	5V	2.0~15.0A	100mV	77%
	24V	0.0~3.0A	150mV	
HF100W-D-G	24V	0.0~4.0A	150mV	81%
	5V	0.0~3.0A	100mV	
HF100W-D-L	15V	0.5~3.0A	120mV	78%
	-15V	0.0~3.0A	120mV	

150W Dual Output Standard Series



- High reliability, low cost
- Top brand components for key parts
- Built-in EMI filter
- Protections: overload/ short circuit
- 5 years limited warranty
- F615 199 × 98 × 50(mm)

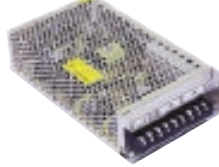
AC input voltage range170~264VAC (210~370VDC)
Inrush currentcold start, 40A/230V
Input leakage current.....< 0.7mA/ 230VAC
Line regulation (full load)≤ ± 0.5%
Voltage tolerance.....V₁: ≤ ± 1%, V₂: ≤ ± 3% (with regulator);
≤ ± 10% (without)

Output voltage adjust rangeV₁: ± 5% of rated output voltage
Output overload protection105~130%, shut off, re-power on to recover
Withstand voltage.....I/P -O/P: 1.5KVAC/1min
I/P -F/G: 1.5KVAC/1min
O/P-F/G: 0.5KVAC/1min

Rise time.....50ms@full load (typical)
Hold up time20ms@full load (typical)
Operating temperature-20℃~+50℃
Safety standards.....design meet GB4943, UL60950, EN60950
Cooling methodconvection

Model	DC Output		R&N	Efficiency
HF150W-D-D	24V	0.0~5.0A	150mV	84%
	12V	0.0~3.0A	120mV	
HF150W-D-G	24V	0.0~6.0A	150mV	82%
	5V	0.0~3.0A	100mV	
HF150W-D-L	15V	0.5~5.0A	120mV	85%
	-15V	0.5~5.0A	120mV	
HF150W-D-Q	24V	0.5~4.0A	150mV	88%
	-24V	0.5~4.0A	150mV	

200W Dual Output Standard Series



- High reliability, low cost
- Top brand components for key parts
- Built-in EMI filter
- Protections: overload/ short circuit
- 5 years limited warranty
- F620 200 × 110 × 50(mm)

AC input voltage range170~264VAC (210~370VDC)
Inrush currentcold start, 40A/230V
Input leakage current.....< 0.7mA/ 230VAC
Line regulation (full load)≤ ± 0.5%
Voltage tolerance.....V₁: ≤ ± 1%, V₂: ≤ ± 3%
Output voltage adjust rangeV₁: ± 5% of rated output voltage
Output overload protection105~130%, shut off, re-power on to recover
Withstand voltage.....I/P -O/P: 1.5KVAC/1min
I/P -F/G: 1.5KVAC/1min
O/P-F/G: 0.5KVAC/1min

Rise time.....50ms@full load (typical)
Hold up time20ms@full load (typical)
Operating temperature-20℃~+50℃
Safety standards.....design meet GB4943, UL60950, EN60950
Cooling methodconvection

Model	DC Output		R&N	Efficiency
HF200W-D-A	24V	1.0~8.0A	150mV	86%
	12V	0.0~3.0A	120mV	
HF200W-D-D	24V	1.0~9.0A	150mV	84%
	5V	0.0~2.0A	100mV	
HF200W-D-E	12V	2.0~12.0A	120mV	83%
	24V	0.0~2.0A	150mV	
HF200W-D-G	24V	1.0~7.0A	150mV	85%
	24V	0.0~1.5A	150mV	

300W~400W Dual Output Standard Series



- High reliability, low cost
- Built-in fan speed control
- Built-in EMI filter
- Protections: overload/ over voltage/ over temperature/ short circuit
- 5 years limited warranty
- F630 241 × 124 × 65(mm)

AC input voltage range170~264VAC (210~370VDC)
Inrush currentcold start, 60A/230V
Input leakage current.....< 0.7mA/ 230VAC
Line regulation (full load)≤ ± 0.5%
Voltage tolerance.....V₁: ≤ ± 1%, V₂: ≤ ± 3%
Output voltage adjust rangeV₁: ± 5% of rated output voltage
Output overload protection105~130%, current limiting, auto recovery
Output over voltage protection115~150%, shut off, re-power on to recover
Withstand voltage.....I/P -O/P: 1.5KVAC/1min
I/P -F/G: 1.5KVAC/1min
O/P-F/G: 0.5KVAC/1min

Rise time.....50ms@full load (typical)
Hold up time20ms@full load (typical)
Operating temperature-20℃~+50℃
Safety standards.....design refer to GB4943, UL60950, EN60950
Cooling methodfan

Model	DC Output		R&N	Efficiency
HF300W-D-A	24V	2.0~11.0A	150mV	84%
	5V	0.0~2.5A	120mV	
HF300W-D-B	24V	2.0~11.0A	150mV	84%
	12V	0.0~3.0A	150mV	
HF400W-D-A	24V	3.0~16.0A	150mV	84%
	12V	0.0~1.0A	150mV	
HF400W-D-C	24V	3.0~15.0A	150mV	83%
	5V	0.0~3.0A	120mV	