

SWITCHING POWER SUPPLY

15 Watts Series Switching Power

Wall-mount Switching Power (FV-205SP)

UK,CE

*First
Victory*

First Victory Industrial

Product Feature:

- Universal input voltage, Complete, Inexpensive, Self-contained regulated power source
- Wall-mount type, Constant output voltage
- Light, and compact design
- Extra safe design, all with their respective safety approvals
- High efficiency circuitry that generates little heat .
- Ultra low no-load/standby power consumption, meeting EC 2005 green power requirements
- Supper power supply, fixed frequency chip circuit Ensures stable, long-lasting output required by today's mobile electronics, such as mobile phones, PDAs, Digital cameras, Digitla Players, GPRS, HUB, Walkie-talkie, tester machines, Modem, Scanner, Printer and much more
- Built-in EMI filter

Protection:

- Short circuit protection
- Over voltage protection
- Over current protection
- Thermal shutdown capability

Reliability:

- Burn-in: 95-100% full load, $40 \pm 5^{\circ}\text{C}$, 4Hrs min.
- Leakage Current: 0.25mA max, at 254Vac
- Withstanding Voltage: (between primary & secondary) 3000Vac 1 minute 10mA max
- MTBF: meet MIL-HDBK-217F
Over 50K hours, full load, 25°C



Safety Approvals:

- EN60950:2000
- CE-LVD

Emissions:

- EN55022 Class B

Immunity:

- EN55024/A1:2001
- Electrostatic discharger: 61000-4-2
- Radiated electromagnetic fields: 61000-4-3
- Fast transients (burst): 61000-4-4
- Surge transients: 61000-4-5
- Conducted disturbance: 61000-4-6
- Voltage dips, interruptions & variations: 61000-4-11

Electrical Specifications: (Absolute Maxium Rating)

Description	Symbol	Min	Typ	Max	Units	Comment
Input						
Voltage	V_{in}	90	120/240	264	V_{AC}	2 Wire no Protective Ground
Frequency	F_{LINE}	47	50/60	63	Hz	
No-load input power (230Vac)	P			0.3	W	
Efficiency	η		70		%	
Inrush Current(240Vac)	I		40		A	Cold 25°C
Environmental						
Operating Temperature	T	0	/	40	$^{\circ}\text{C}$	Free convection, Sea level
Non-operating Temperature	T	-20	/	80	$^{\circ}\text{C}$	Free convection, Sea level
Operating humidity	T	10	/	90	%RH	Non condensing
Non-operating Humidity	T	10	/	90	%RH	Non condensing

First Victory Industrial Company Limited

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ADD: Building No.23, 25th district, Baoming Road, Gongming town , Baoan county, Shenzhen, China

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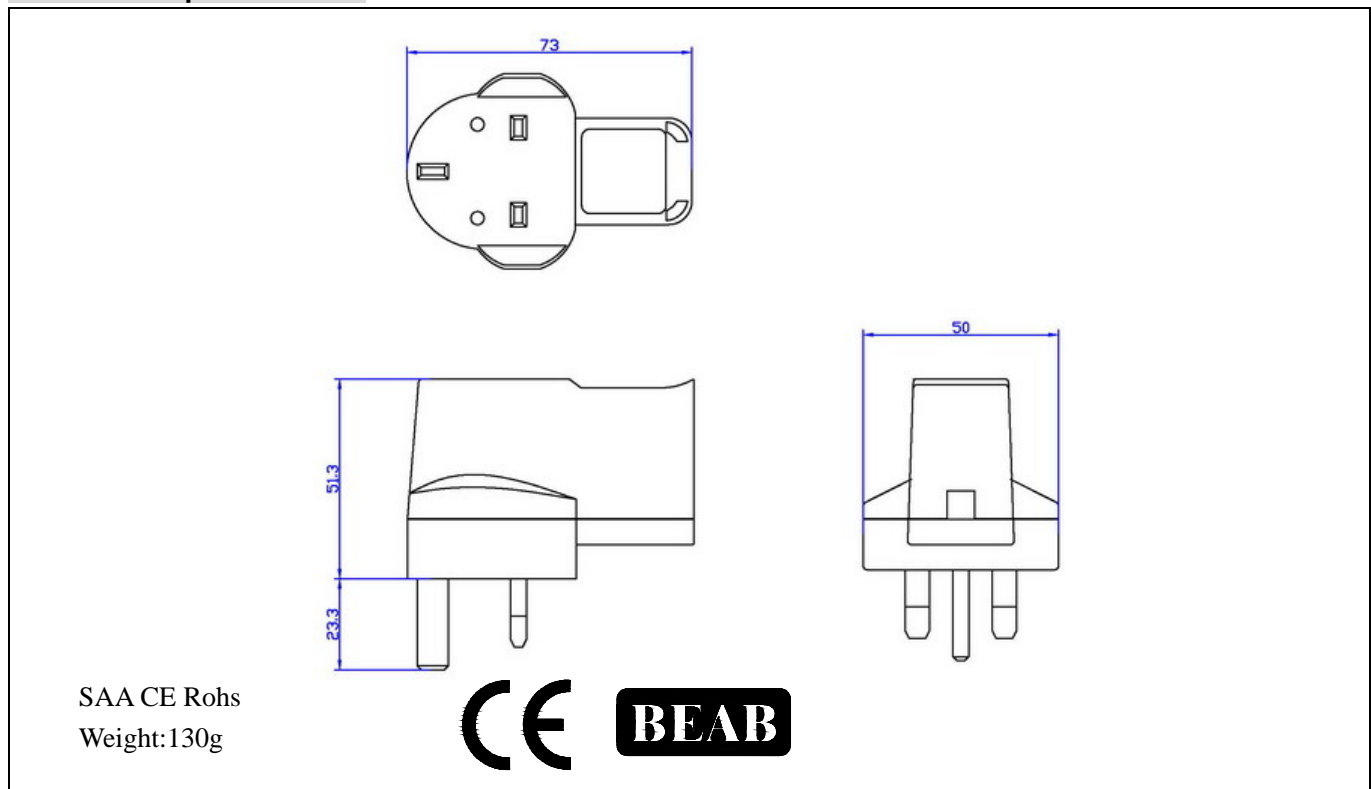
Typical model list:

INPUT CONDITION		DC OUTPUT VOLTAGE	DC OUTPUT CURRENT	OUTPUT VOLTAGE PRECISION	RIPPLE & NOISES	REGULATION		MAXIMUN OUTPUT POWER
						LINE	LOAD	
Input voltage: 90-264Vac Frequency: 47-63Hz Input current: 0.4A	1	21-24V	0-0.86A	5%	150mV	±1%	±5%	18W
	2	16-20V	0-1.12A	5%	150mV	±1%	±5%	18W
	3	10-15V	0-1.50A	5%	100mV	±1%	±5%	18W
	4	9.4-9.9V	0-1.60A	5%	100mV	±1%	±5%	15W
	5	8.8-9.3V	0-1.70A	5%	80mV	±1%	±5%	15W
	6	8.2-8.7V	0-1.83A	5%	80mV	±1%	±5%	15W
	7	7.6-8.1V	0-1.97A	5%	70mV	±1%	±5%	15W
	8	7.0-7.5V	0-2.14A	5%	70mV	±1%	±5%	15W
	9	6.4-6.9V	0-2.34A	5%	60mV	±1%	±5%	15W
	10	5.8-6.3V	0-2.59A	5%	60mV	±1%	±5%	15W
	11	5.2-5.7V	0-2.88A	5%	60mV	±1%	±5%	15W
	12	4.6-5.1V	0-3.00A	5%	50mV	±1%	±5%	15W
	13	4.0-4.5V	0-3.20A	5%	50mV	±1%	±5%	14.4W
	14	3.4-3.9V	0-3.50A	5%	50mV	±1%	±5%	13.7W
	15	2.8-3.3V	0-4.00A	5%	50mV	±1%	±5%	13.2W

REMARK:(Ripple and noise)1.Measurements shall be made with an oscilloscope with 20MHz bandwidth.

2.Outputs shall be bypassed at the connector with a 0.1uF ceramic dick capacitor and a 10uF electrolytic capacitor to simulate system loading.

Mechanical Specifications:



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