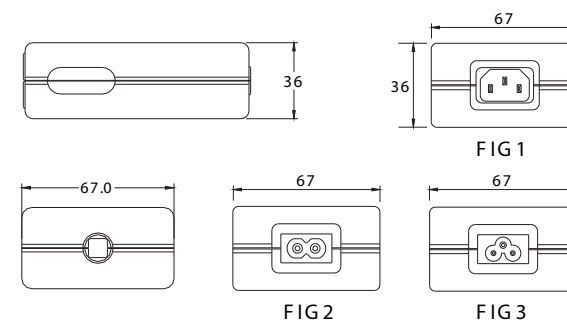
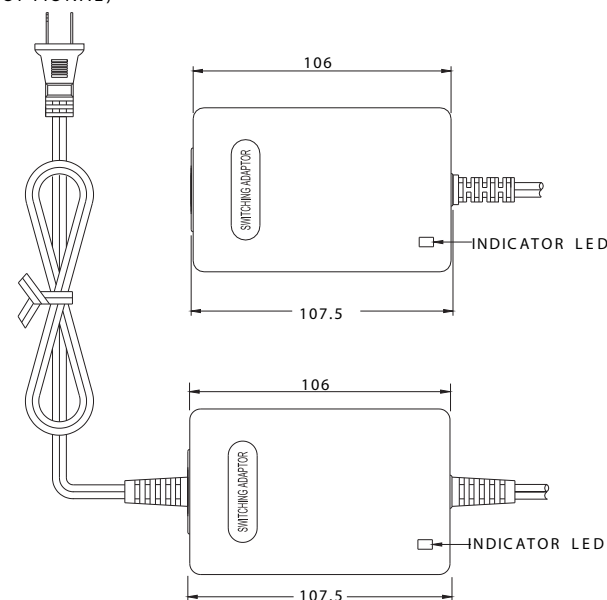


Specifications:	PSU30 Series:
Input voltage	100 ~ 240 VAC (Limits : 90~264 VAC)
Input frequency	50 ~ 60Hz (Limits : 47 ~ 63 Hz)
Input current	0.7A Max.
Safety ground leakage current	Class1: 3.5mA / Class2: 0.25mA Max. @ 240VAC/50Hz
Output voltage	See rating chart
Output current	See rating chart
Output power range	See rating chart
Ripple	1% peak to peak maximum. See rating Chart
Over voltage protection	Yes. Protected by Zener diode. Rated output voltage 110~140%
Over current protection	Yes. Hiccup mode; Auto-recovery. Rated output current > 110%
Short circuit protection	Yes. Hiccup mode; Auto-recovery
Temperature coefficient	All output $\pm 0.04\%/^{\circ}\text{C}$ maximum
Transient response	Maximum excursion of 4% or better on all models. Recovering to 1% of final value within 500uS after a 25% step load change
Operating temperature	0°C~+40°C. See derating curve
Storage temperature	-40°C~+85°C
Relative humidity	5% to 95% non-condensing
Derating	Derated from 100% at +40°C linearly to 70% at 50°C
Avg.Efficiency	See rating chart
Setup up / Hold up / Rise time	Typical : 200mS / 10mS / 50mS at full load
Line regulation	$\pm 1\%$ maximum for any input voltage change between input voltage range
Load regulation	Typical $\pm 5\%$ variations from minimum to maximum output current . Or see rating chart
Insulation resistance	50 Mohm minimum from output to ground
Inrush current	20 AMPS @ 115 VAC ; 60 AMPS @ 230 VAC at 25°C cold start
Withstand voltage	4300VDC from input to output
Mean time between failure	100,000 hours minimum at full load at 25°C ambient
EMI requirements	(A)CE : Emission : EN55022 ; EN61000-3-2,3 / Immunity: IEC61000-4-2,3,4,5,6,11 (B)FCC 47 CFR Part 15 Subpart B. ICES-003 Issue 4 ANSI C63.4-2003 (C)VCCI:J55022(H14) V-3 / 06.04 and V-4/06.04
Safety requirements	(A) UL60950-1 ; CSA C22.2 (B)EN60950-1 ; IEC60950-1 (C)J60950
Warranty	1 year

USA VERSION
(OPTIONAL)

UNIT:mm



FC CE CB LPS

SMP TECHNOLOGY, INC.

DESKTOP SWITCHING POWER SUPPLY, 12 - 27 WATT,

VENTLESS, UNIVERSAL INPUT VOLTAGE, OPTIONAL INPUT INLETS

SERIES:PSU30

Pg: 1

STRAIGHT

MALE PLUG
STRAIGHT
(parallel cord)

Part Number	D +/-0.1	L +/-0.5	Wire Gauge
SM1A	ø2.5	11	#22 #24
SM2A	ø3.5	14	#22 #24

MALE PLUG
STRAIGHT
(parallel/
coaxial cord)

Part Number	D +/-0.1	L +/-0.5	Wire Gauge
SM2B	ø3.5	14	#22 #24

FEMALE PLUG
STRAIGHT
(parallel cord)

Part Number	D +/-0.1	d +/-0.1	L +/-0.5	Wire Gauge
SF2A	ø3.5	ø1.3	7	#22 #24
SF2B	ø3.5	ø1.3	9.5	#22 #24
SF2C	ø3.5	ø1.3	11	#22 #24
SF2D	ø3.5	ø1.3	14	#22 #24
SF3A	ø5.0	ø2.1	9.5	#20
SF3B	ø5.0	ø2.1	11	#20
SF3C	ø5.0	ø2.1	14	#20
SF5C	ø5.5	ø2.5	9.5	#18,#20
SF5B	ø5.5	ø2.5	11	#18,#20
SF5A	ø5.5	ø2.5	14	#18,#20
SF6A	ø6.5	ø3.0	9.5	#20
SF6B	ø6.5	ø3.0	11	#20

FEMALE PLUG
STRAIGHT
(parallel cord)

Part Number	D +/-0.1	d +/-0.1	L +/-0.5	Wire Gauge
SF3D	ø5.0	ø2.1	9.5	#22 #24
SF3E	ø5.5	ø2.1	11	#22 #24
SF5D	ø5.5	ø2.1	9.5	#22 #24
SF5E	ø5.5	ø2.5	11	#22 #24

FEMALE PLUG
STRAIGHT
(parallel cord
#20,#22,#24
/Coaxial #22)

Part Number	D +/-0.1	d +/-0.1	L +/-0.5	Wire Gauge
SF5F	ø5.5	ø2.1	9.5	#20,#22,#23
SF5G	ø5.5	ø2.1	11	#20,#22,#23
SF5H	ø5.5	ø2.5	9.5	#20,#22,#23
SF5I	ø5.5	ø2.5	11	#20,#22,#23

FEMALE PLUG
STRAIGHT
(SPT-1#18 &
XTW-A #20 Cord)

Part Number	D +/-0.1	d +/-0.1	L +/-0.5	Wire Gauge
SF5J	ø5.5	ø2.1	12.5	#18,#20

FEMALE PLUG
STRAIGHT
(parallel
/coaxial cord)

Part Number	D +/-0.1	d +/-0.1	L +/-0.5	Wire Gauge
SF5K	ø5.5	ø2.1	9.5	#22 #24
SF5L	ø5.5	ø2.1	11	#22 #24
SF5M	ø5.5	ø2.1	14	#22 #24
SF5N	ø5.5	ø2.5	11	#22 #24

MINI DIN MALE PLUG, STRAIGHT

Part Number	Pin Configuration
SMD3	
SMD4	
SMD5	
SMS5	
SMD6	
SMD7	

RIGHT ANGLE

FEMALE PLUG
RIGHT ANGLE
(parallel cord)

Part Number	D +/-0.1	d +/-0.1	L +/-0.5	Wire Gauge
RF4A	ø5.03	ø1.57	8.2	#22 #24
RF4B	ø5.03	ø1.57	13.5	#22 #24
RF3A	ø5.0	ø2.1	9	#22 #24
RF3B	ø5.0	ø2.1	11	#22 #24
RF3C	ø5.0	ø2.5	11	#22 #24
RF5A	ø5.5	ø1.3	11	#22 #24
RF5B	ø5.5	ø2.1	9.5	#22 #24
RF5C	ø5.5	ø2.5	9.5	#22 #24
RF5D	ø5.5	ø2.1	11	#22 #24
RF5E	ø5.5	ø2.5	11	#22 #24

FEMALE PLUG
RIGHT ANGLE
(parallel cord)

Part Number	D +/-0.1	d +/-0.1	L +/-0.5	Wire Gauge
RF2A	ø3.5	ø1.3	9	#22 #24
RF2B	ø3.5	ø1.3	11	#22 #24
RF5F	ø5.5	ø2.1	9.5	#22 #24
RF5G	ø5.5	ø2.1	11	#22 #24
RF5H	ø5.5	ø2.5	9.5	#22 #24
RF5I	ø5.5	ø2.5	11	#22 #24

FEMALE PLUG
RIGHT ANGLE
(Coaxial cord)

Part Number	D +/-0.1	d +/-0.1	L +/-0.5	Wire Gauge
RF5J	ø5.5	ø2.1	9.5	#22 #24
RF5K	ø5.5	ø2.1	11	#22 #24
RF5L	ø5.5	ø2.5	9.5	#22 #24
RF5M	ø5.5	ø2.5	11	#22 #24

MALE/FEMALE
PLUG
RIGHT ANGLE
(Parallel cord)

Part Number	D +/-0.1	L +/-0.5	Wire Gauge
RM2A	ø3.5	16.5	#22 #24

MINI DIN MALE PLUG, RIGHT ANGLE

Part Number	Pin Configuration
RMD3	
RMD4	
RMD5	
RMS5	
RMD6	
RMD7	

OUTPUT PLUG TABLE

SMP TECHNOLOGY, INC.

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