

Specifications:	PSU66 Series:
Input voltage	100~240 VAC (Limits:90-264VAC)
Input frequency	50 ~ 60Hz ( Limits : 47 ~ 63 Hz )
Input current	1.5A Max.
Safety ground leakage current	3.5mA Max. @ 240 VAC 50Hz
Output voltage	See rating chart
Output current	See rating chart
Output power range	66 watts Max.
Ripple	1% peak to peak maximum
Over voltage protection	Provided on outputs set at 112~132% of its nominal output voltage
Over current protection	All outputs protected to short circuit conditions
Temperature coefficient	All outputs $\pm 0.04\%/^{\circ}\text{C}$ 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 $^{\circ}\text{C}$ ~+30 $^{\circ}\text{C}$ See derating curve
Storage temperature	-40 $^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$
Relative humidity	5% to 95% non-condensing
Derating	Derated from 100% at+30 $^{\circ}\text{C}$ linearly to 70% at 50 $^{\circ}\text{C}$
Efficiency	See rating chart
Hold-up time	10 msec minimum
Line regulation	$\pm 1\%$ maximum for any input voltage change between input voltage range
Load regulation	$\pm 5\%$ variations from minimum to maximum output current.
Insulation resistance	50 Mohm minimum from output to ground
Inrush current	15 AMPS @ 115 VAC, or 30 AMPS @ 230 VAC at 25 $^{\circ}\text{C}$ cold start
Withstand voltage	4242VDC from input to output
Mean time between failure	50,000 hours minimum at full load at 25 $^{\circ}\text{C}$ ambient
EMI requirements	Meet CE standards
Safety requirements	Meets or exceeds:(A)UL 60950-1 (B) CSA C22.2 (C)TUV EN60950-1 (D) IEC 950
Warranty	1 year

UNIT: mm

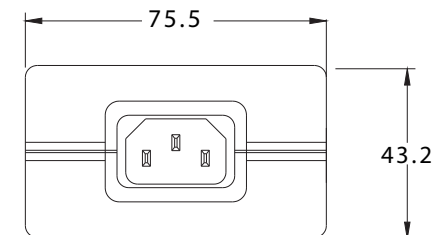
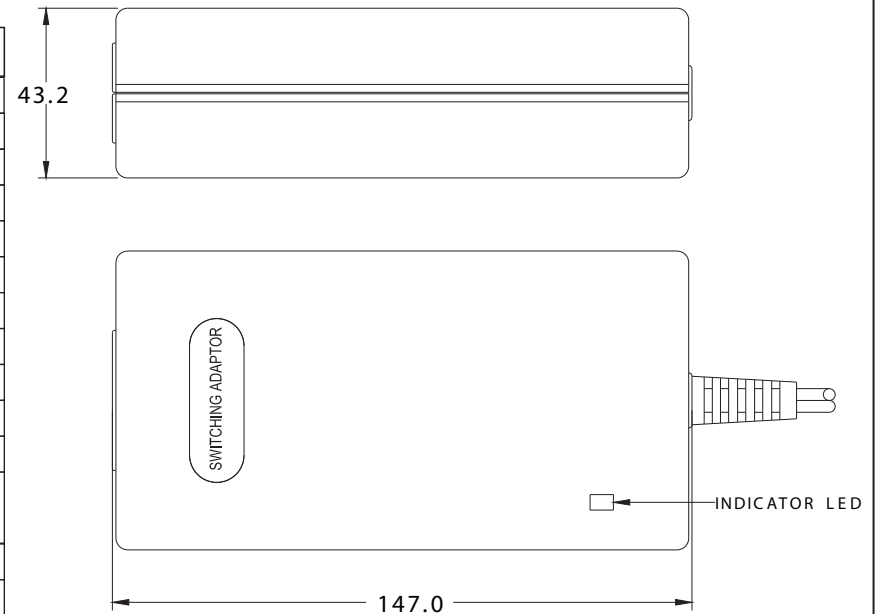


FIG 1

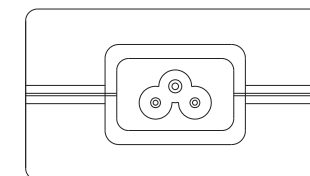


FIG 2



**SMP TECHNOLOGY, INC.**

DESKTOP SWITCHING POWER SUPPLY, 24 - 66 WATT,

VENTLESS, UNIVERSAL INPUT VOLTAGE, OPTIONAL INPUT INLETS

SERIES:PSU66

	<b>MODEL</b>	<b>OUTPUT VOLTAGE</b>	<b>OUTPUT CURRENT</b>	<b>MAX. POWER OUTPUT</b>	<b>INPUT INLET</b>
*	PSU66A-0	3~5VDC	8.00~4.80A	24W	FIG1
*	PSU66A-1	5~6VDC	8.50~7.50A	42.5W	FIG1
*	PSU66A-1-1	6~8VDC	8.00~6.00A	48W	FIG1
*	PSU66A-2	8~11VDC	6.88~5.00A	50W	FIG1
*	PSU66A-3	11~13VDC	6.00~5.08A	66W	FIG1
	PSU66A-4	13~16VDC	5.08~4.13A	66W	FIG1
	PSU66A-5	16~21VDC	4.13~3.14A	66W	FIG1
	PSU66A-6	21~27VDC	3.14~2.44A	66W	FIG1
	PSU66A-7	27~33VDC	2.44~2.00A	66W	FIG1
	PSU66A-8	33~48VDC	2.00~1.38A	66W	FIG1
*	PSU66B-0	3~5VDC	8.00~4.80A	24W	FIG2
*	PSU66B-1	5~6VDC	8.50~7.50A	42.5W	FIG2
*	PSU66B-1-1	6~8VDC	8.00~6.00A	48W	FIG2
*	PSU66B-2	8~11VDC	6.88~5.00A	50W	FIG2
*	PSU66B-3	11~13VDC	6.00~5.08A	66W	FIG2
	PSU66B-4	13~16VDC	5.08~4.13A	66W	FIG2
	PSU66B-5	16~21VDC	4.13~3.14A	66W	FIG2
	PSU66B-6	21~27VDC	3.14~2.44A	66W	FIG2
	PSU66B-7	27~33VDC	2.44~2.00A	66W	FIG2
	PSU66A-8	33~48VDC	2.00~1.38A	66W	FIG2

\* No LPS Safety

FOR OUTPUT PLUG TABLE  
SEE PAGE 3

<b>SMP TECHNOLOGY, INC.</b>	
DESKTOP SWITCHING POWER SUPPLY, 24 - 66 WATT,	
VENTLESS, UNIVERSAL INPUT VOLTAGE, OPTIONAL INPUT INLETS	
SERIES:PSU66	Pg: 2

# STRAIGHT

MALE PLUG  
STRAIGHT  
(parallel cord)

Part Number	D +/-0.1	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	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