Desktop power supply

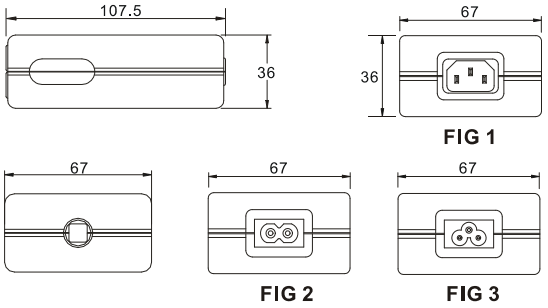
Features:

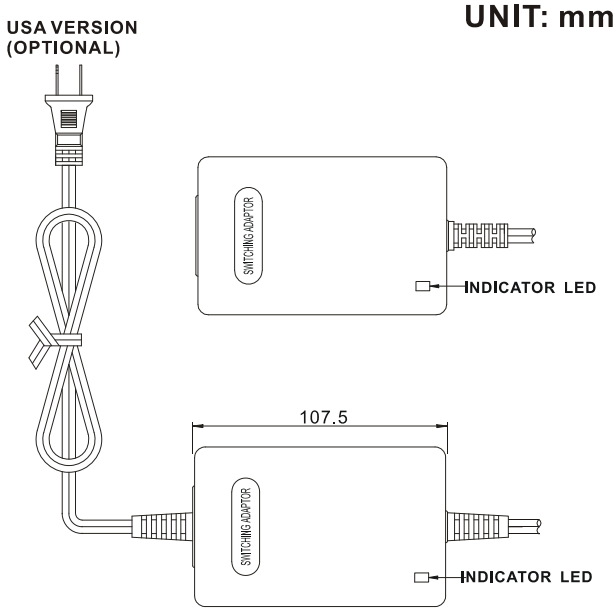
- Universal input voltage
- Optional input inlets
- Single output
- Optional output connectors
- Over voltage protection
- Over current protection
- Over Temperature protection
- High efficiency & reliability
- Compact package
- Possess risk analysis report
- Meet 60601-1 3rd edition
- Two years limited warranty

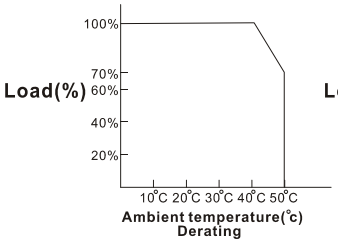
SAFETY AGENCY APPROVALS:

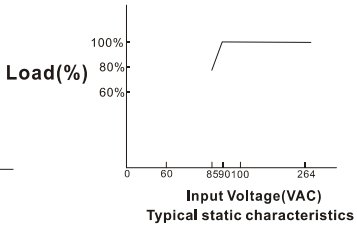
Specifications:	**MPU30**series:
Input voltage	100~240VAC
Input frequency	50~60Hz (Limits:47~63Hz)
Input current	0.8A Max.
Safety ground leakage current	Class1:0.3mA/Class2:0.1mA Max.@240VAC/50Hz
Output voltage	See rating chart (±5% tolerance)
Output current	See rating chart
Output power range	30 watts 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
Over Temperature protection	130℃ Activated
Temperature coefficient	All output±0.04%/℃ 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℃~+40℃
Storage temperature	-40℃~+85℃
Relative humidity	5% to 95% non-condensing
Derating	Derated from 100% at + 40℃ linearly to 70% at 50℃
Efficiency	65% minimum at full output
Hold - up time	10msec minimum
Line regulation	±1% maximum for any input voltage change between input voltage range
Load regulation	±5% variations from minimum to maximum output current.
Insulation resistance	50Mohm minimum from input to output
Inrush current	15AMPS@115 VAC or 30AMPS @ 230VAC at 25℃ cold start
Withstand voltage	5656VDC from input to output
Mean time between failure	100,000 hours minimum at full load at 25℃ ambient
EMI requirements	Meet CE standards
Safety requirements	Meets or Exceeds(A)UL: ES60601-1:2005 (B)CSA: C22.2 NO.60601-1:2008 (C)CB: IEC 60601-1:2005 (D)EN:EN60601-1:2006
Warranty	2 years

UNIT: mm









X=A=IEC-320-C14 (FIG1) or B=IEC-320-C8 (FIG2) or C=IEC-320-C6 (FIG3) or D=MAINS CORD INPUT

Model name	Output Voltage(VDC)	Output Current(A)	Max. Output Power (W)	Ripple(mV) Max.	Line Regulation (%)	Load Regulation (%)	Efficiency (%) (min)	Measured at the output of
MPU30X-0	3~5	5	25	30	±1	±8	65	3.3
MPU30X -1	5~6	5.00~4.17	25	30	±1	±5	68	5
MPU30X -1-1	6~8	4.17~3.13	25	40	±1	±4	70	7.5
MPU30X-2	8~11	3.75~2.73	30	50	±1	±4	74	9
MPU30X -3	11~13	2.73~2.30	30	50	±1	±3	75	12
MPU30X -4	13~16	2.30~1.88	30	60	±1	±3	75	15
MPU30X -5	16~21	1.88~1.43	30	70	±1	±2	76	18
MPU30X -6	21~27	1.43~1.11	30	80	±1	±2	77	24
MPU30X -7	27~33	1.11~0.90	30	100	±1	±2	78	28
MPU30X -8	33~48	0.90~0.63	30	100	±1	±2	78	48

Y: U= American type or E=European type AC power

Model name	Output Voltage(VDC)	Output Current(A)	Max. Output Power (W)	Ripple(mV) Max.	Line Regulation (%)	Load Regulation (%)	Efficiency (%) (min)	Measured at the output of
MPU30D -0-Y	3~5	5	25	30	±1	±8	65	3.3
MPU30D -1-Y	5~6	5.00~4.17	25	30	±1	±8	68	5
MPU30D -1-1-Y	6~8	4.17~3.13	25	40	±1	±4	70	7.5
MPU30D -2-Y	8~11	3.75~2.73	30	50	±1	±4	74	9
MPU30D -3-Y	11~13	2.73~2.30	30	50	±1	±3	75	12
MPU30D -4-Y	13~16	2.30~1.88	30	60	±1	±3	75	15
MPU30D -5-Y	16~21	1.88~1.43	30	70	±1	±2	76	18
MPU30D -6-Y	21~27	1.43~1.11	30	80	±1	±2	77	24
MPU30D -7-Y	27~33	1.11~0.90	30	100	±1	±2	78	28
MPU30D -8-Y	33~48	0.90~0.63	30	100	±1	±2	78	48

Note:

(1) Weight: Approx 300~350g

(2)Optional output connectors (see page 75)