

Desktop power supply

Features:

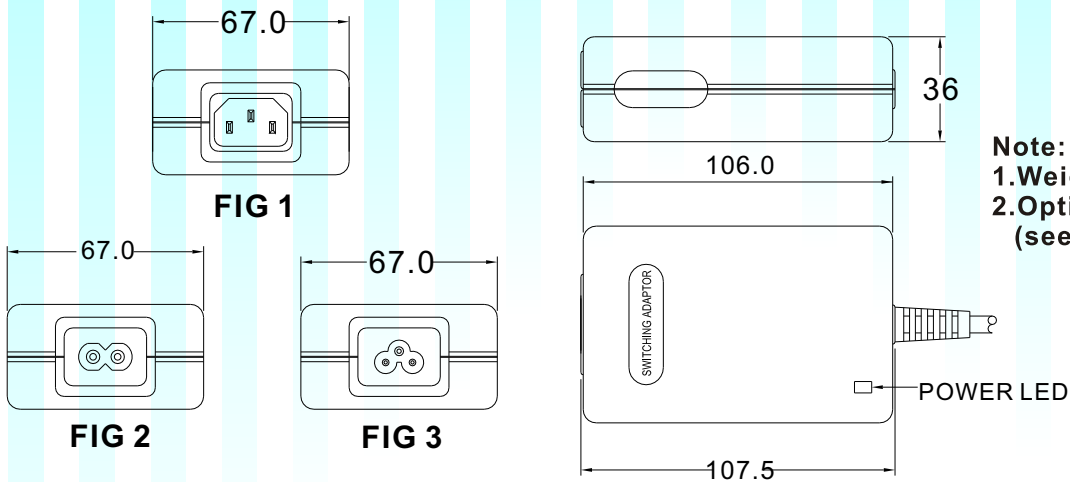
- Universal input voltage
- Optional input inlets
- Single output
- Optional output connectors
- Over voltage protection
- Over current protection
- High efficiency & reliability
- Compact low profile package
- One year warranty

SAFETY AGENCY APPROVALS



Specifications:	MPU30 A. B. C Series:
Input voltage	100-240 VAC (Limits: 90-264VAC)
Input frequency	47 to 63Hz
Input current	0.6A (rms) for 115VAC, 0.4A (rms) for 230 VAC
Safety ground leakage current	0.3mA max. FOR CLASS 1
Output voltage	See rating chart ($\pm 5\%$ tolerance)
Output current	See rating chart
Output power range	30 watts Maximum
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°C Activated
Temperature coefficient	All outputs $\pm 0.04\%$ / °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
Operation temperature	0°C ~ +40°C
Storage temperature	-40°C to +85°C
Relative humidity	5% to 95% non-condensing
Derating	Derated from 100% at +40°C linearly to 50% at 70°C
Efficiency	65% minimum at full output
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 M ohm minimum from output to ground
Inrush current	15 AMPS @ 115 VAC, or 30 AMPS @ 230 VAC at 25°C cold start
Withstand voltage	5656VDC from input to output
Mean time between failure	50,000 hours minimum at full load at 25°C ambient
EMI requirements	Meets conduction limits of: CISPR 22.2
Safety requirements	Meets or Exceeds: (A) UL2601-1 (B) TUV EN60601-1
Warranty	1 year

UNIT: mm



Note:
 1. Weight: Approx 300~350g
 2. Optional output connectors (see page 45)

**** Please specify output voltage when ordering**

Model	Output Voltage	Output Current	Maximum Output Power	INPUT INLET
MPU30A-0	3~5 VDC	5.00 ~ 5.00A	25W	FIG 1
MPU30A-1	5~6 VDC	5.00 ~ 4.17A	25W	FIG 1
MPU30A-1-1	6~8 VDC	4.17 ~ 3.13A	25W	FIG 1
MPU30A-2	8~11VDC	3.75 ~ 2.73A	30W	FIG 1
MPU30A-3	11~13VDC	2.73 ~ 2.30A	30W	FIG 1
MPU30A-4	13~16VDC	2.30 ~ 1.88A	30W	FIG 1
MPU30A-5	16~21VDC	1.88 ~ 1.43A	30W	FIG 1
MPU30A-6	21~27VDC	1.43 ~ 1.11A	30W	FIG 1
MPU30A-7	27~33VDC	1.11 ~ 0.90A	30W	FIG 1
MPU30A-8	33~48VDC	0.90 ~ 0.63A	30W	FIG 1
MPU30B-0	3~5 VDC	5.00 ~ 5.00A	25W	FIG 2
MPU30B-1	5~6 VDC	5.00 ~ 4.17A	25W	FIG 2
MPU30B-1-1	6~8 VDC	4.17 ~ 3.13A	25W	FIG 2
MPU30B-2	8~11VDC	3.75 ~ 2.73A	30W	FIG 2
MPU30B-3	11~13VDC	2.73 ~ 2.30A	30W	FIG 2
MPU30B-4	13~16VDC	2.30 ~ 1.88A	30W	FIG 2
MPU30B-5	16~21VDC	1.88 ~ 1.43A	30W	FIG 2
MPU30B-6	21~27VDC	1.43 ~ 1.11A	30W	FIG 2
MPU30B-7	27~33VDC	1.11 ~ 0.90A	30W	FIG 2
MPU30B-8	33~48VDC	0.90 ~ 0.63A	30W	FIG 2
MPU30C-0	3~5 VDC	5.00 ~ 5.00A	25W	FIG 3
MPU30C-1	5~6 VDC	5.00 ~ 4.17A	25W	FIG 3
MPU30C-1-1	6~8 VDC	4.17 ~ 3.13A	25W	FIG 3
MPU30C-2	8~11VDC	3.75 ~ 2.73A	30W	FIG 3
MPU30C-3	11~13VDC	2.73 ~ 2.30A	30W	FIG 3
MPU30C-4	13~16VDC	2.30 ~ 1.88A	30W	FIG 3
MPU30C-5	16~21VDC	1.88 ~ 1.43A	30W	FIG 3
MPU30C-6	21~27VDC	1.43 ~ 1.11A	30W	FIG 3
MPU30C-7	27~33VDC	1.11 ~ 0.90A	30W	FIG 3
MPU30C-8	33~48VDC	0.90 ~ 0.63A	30W	FIG 3