



E-Star Power Development Co., Ltd. (E-STAR)
 No.305, Sec. 2, Jhongsan Rd., Banciao City, Taipei County 22067, Taiwan
 Phone : 886-2-2957 5580 Fax : 886-2-2957 7473

30W Desktop type Medical power supply < MPU30X-1~8

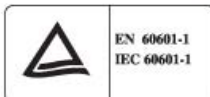
Desktop power supply

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
- Two years limited warranty



SAFETY AGENCY APPROVALS

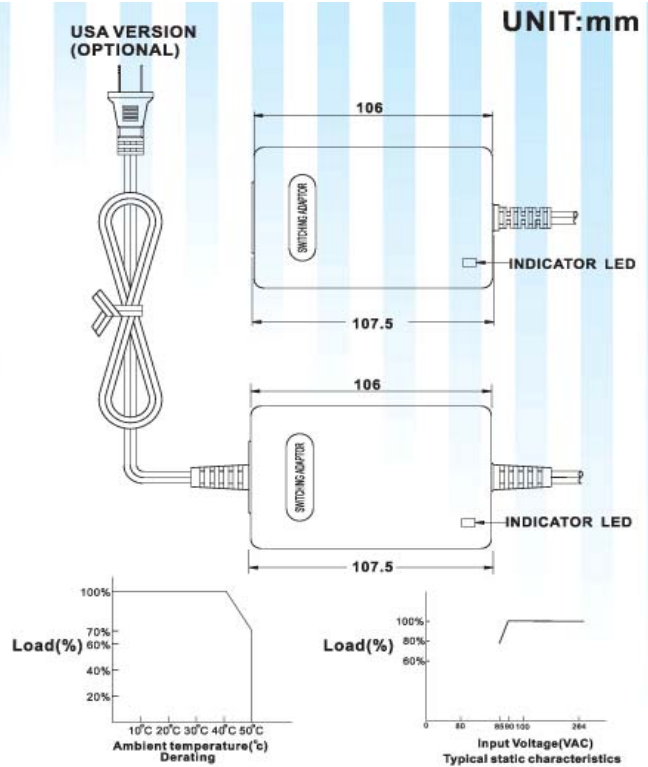
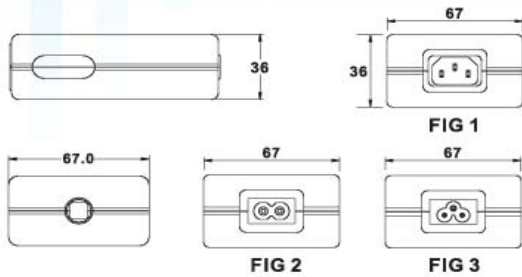


Specifications:	MPU30 Series:
Input voltage	100~240 VAC (Limits:90-264VAC)
Input frequency	50 ~ 60Hz (Limits : 47 ~ 63 Hz)
Input current	0.8A Max.
Safety ground leakage current	Class1 : 0.3mA / Class2 : 0.1mA Max. @ 240VAC/50Hz
Output voltage	See rating chart (±5% tolerance)
Output current	See rating 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 °C Activated
Temperature coefficient	All outputs ± 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
Operating 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 70% at 50°C
Efficiency	65% minimum at full output
Hold-up time	10 msec 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	50 Mohm 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	100,000 hours minimum at full load at 25°C ambient
EMI requirements	Meet CE standards
Safety requirements	Meets or Exceeds:(A) UL60601-1 CAN/CSA-C22.2 NO.601-1 (B) TUV EN60601-1
Warranty	2 years



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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	16	30	±1	±8	65	3.3
MPU30X-1	5~6	5.00~4.17	25	30	±1	±5	70	5
MPU30X-1-1	6~8	4.17~3.13	25	40	±1	±4	72	7.5
MPU30X-2	8~11	3.75~2.73	30	50	±1	±3	74	9
MPU30X-3	11~13	2.73~2.30	30	50	±1	±3	76	12
MPU30X-4	13~16	2.30~1.88	30	60	±1	±2	78	15
MPU30X-5	16~21	1.88~1.43	30	70	±1	±2	78	18
MPU30X-6	21~27	1.43~1.11	30	80	±1	±2	80	24
MPU30X-7	27~33	1.11~0.90	30	100	±1	±2	80	28
MPU30X-8	33~48	0.90~0.63	30	100	±1	±2	82	48

Y: U= American Type or E= European Type

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	16.5	30	±1	±8	65	3.3
MPU30D-1-Y	5~6	5.00~4.17	25	30	±1	±5	70	5
MPU30D-1-1-Y	6~8	4.17~3.13	25	40	±1	±4	72	7.5
MPU30D-2-Y	8~11	3.75~2.73	30	50	±1	±3	74	9
MPU30D-3-Y	11~13	2.73~2.30	30	50	±1	±3	76	12
MPU30D-4-Y	13~16	2.30~1.88	30	60	±1	±2	78	15
MPU30D-5-Y	16~21	1.88~1.43	30	70	±1	±2	78	18
MPU30D-6-Y	21~27	1.43~1.11	30	80	±1	±2	80	24
MPU30D-7-Y	27~33	1.11~0.90	30	100	±1	±2	80	28
MPU30D-8-Y	33~48	0.90~0.63	30	100	±1	±2	82	48

Note:
 1.Weight:Approx 300~350g
 2.Optional output connectors (see page 40)