

# 60 Watts DAS60

Total Power: 60 Watts  
Input Voltage: 90-264 VAC  
# of Outputs: Single



## Electrical Specs

### Input

Input range	90 - 264 VAC (wide range)
Frequency	47 - 63 Hz
Inrush current	50A @ 230 VAC, cold start @ 25C
Input current	1.5A rms @ 90 VAC; 0.5A @ 264VAC
Efficiency	>80% @ full load typical, @115VAC
EMI/RFI	FCC Part 15, Subpart B Class B & EN55022 (CISPR 22) Class B
Safety ground leakage current	300µA max. @ 50/60 Hz, 230 VAC input

### Output

Voltage (Vo)	48V
Voltage regulation	± 2% @ constant voltage mode
Maximum Power (Po)	60W
Hold-up time	20 ms. typical at full load @ 115VAC
Overvoltage protection	25% above nominal output maximum. Latching type, recycle AC to reset.
Overload protection	Output short circuit protection auto recover. Overload protected @ 150% above maximum rating.
Overtemperature protection	Auto recovery
Cable/connector	DC cable with 2.5 mm center plug
barrel type	DC plug center +v DC plug outer -v

## Special Features

- CE Mark EMC & LVD
- Universal AC input
- Fully regulated output
- Overload and short circuit protection
- Thermal protection
- Blue Angel compliance
- Constant voltage
- High efficiency
- High MTBF
- IEC320 AC receptacle, 3 pin (type C14)
- Built in EMI filter (CISPR 22 Class B)
- LED power good indicator

## Environmental

Operating temperature: -5°C to +50°C ambient

Storage temperature: -40°C to +70°C

Electromagnetic susceptibility; design to meet EN61000-4,-2,-4,-5,-6,-11, level 3

Humidity: Operating; non-condensing; 10% to 90% RH

Vibration: Three orthogonal axes, sweep at 1 oct/min. 5 min. dwell at four major resonances 2G peak 8 Hz to 500 Hz, operational

MTBF demonstrated: >550,000 hours at full load and 25°C ambient conditions

## Safety

UL	60950
CUL	60950
NEMKO	60950
TUV	60950
CB	Certificate and report
CE	EMC & LVD

**AMERICAS**

5810 Van Allen Way  
 Carlsbad, CA 92008  
 Telephone: 760-930-4600  
 Facsimile: 760-930-0698

**EUROPE**

Astec House, Waterfront Business Park  
 Merry Hill, Dudley  
 West Midlands, DY5 1LX, UK  
 Telephone: 44 (1384) 842-211  
 Facsimile: 44 (1384) 843-355

**ASIA**

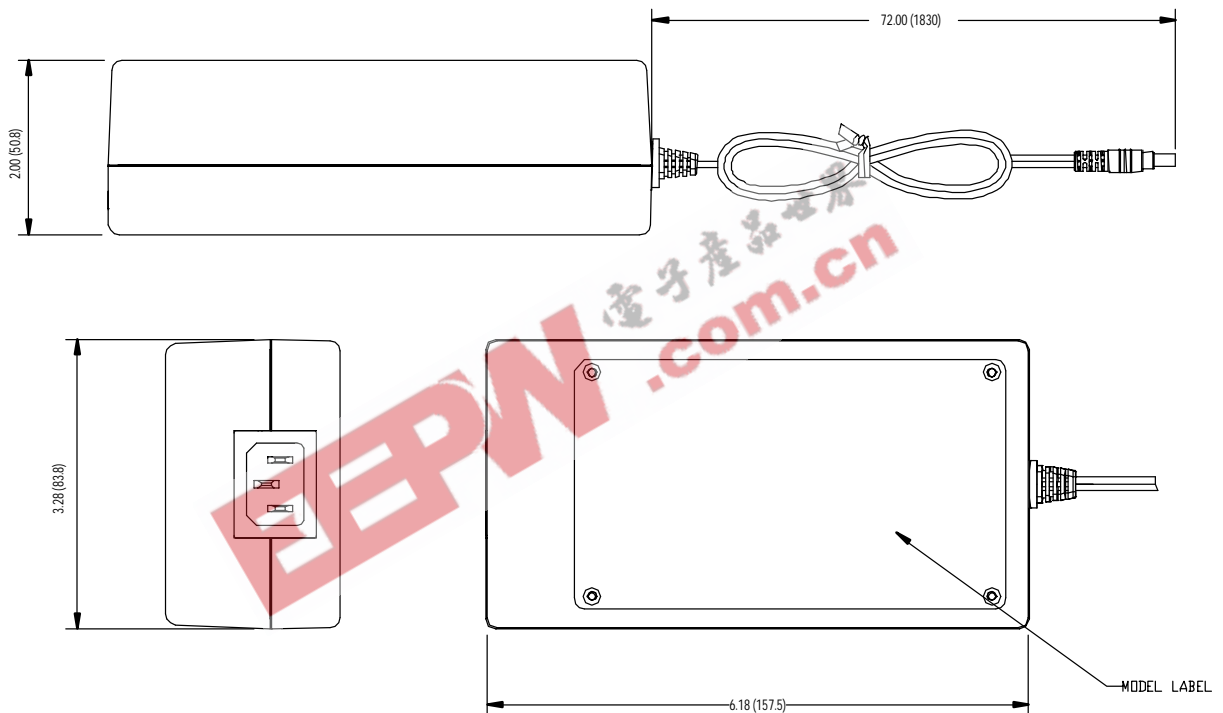
Units 2111-2116, Level 21  
 Tower 1, Metroplaza  
 223, Hing Fong Road  
 Fwai Fong, New Territories  
 Hong Kong  
 Telephone: 852-2437-9662  
 Facsimile: 852-2402-4426



## Ordering Information

Model	Power Max	Vo	Regulation	Io max	Ripple
DAS60-480	60W	48V	±2%	1.25 A	480 mV

1. Peak-to-peak with 20 MHz bandwidth and 10  $\mu$ F in parallel with a 0.1  $\mu$ F capacitor.

**NOTES:**

1. Specifications subject to change without notice.
2. All dimensions in inches (mm), tolerance is  $\pm .02$ "
3. Warranty: 1 year
4. Weight: 1.06 lb./ .48 kg
5. AC input power cord sold separately.