eXtreme Power Supply Calculator - The only power supply calculator trusted by PSU manufacturers and computer enthusiasts.

eXtreme Power Supply Calculator Lite v2.5

ATTENTION: FOR PERSONAL, NON-COMMERCIAL USE ONLY

Latest Updates:
June 15, 2011 | March 9, 2011 | February 17, 2011 | December 28, 2010 | December 1, 2010 | September 27, 2010 | June 10, 2010 | view all updates

The eXtreme Power Supply Calculator contains 1300+ CPUs including latest processors from Intel and AMD, latest graphics cards from NVIDIA, AMD and more!

The recommended total Power Supply Wattage gives you a general idea on what to look for BUT it is NOT a crucial factor in power supply selection! **Total Amperage Available** on the **+12V** Rail(s) is the most important, followed by the **+5V** amperage and then the **+3.3V** amperage.

eXtreme Power Supply Calculator Pro version contains Amperage per +12V, +5V and +3.3V power supply rails, recommended UPS rating, multiple video cards and more. See the **Features Comparison table here**.

Minimum PSU Wattage: 398 W

Recommended PSU Wattage: * 448 W

Calculate | Reset | Print

System Type: [1]
1 physical CPU
Attention: A single Dual or Quad CORE CPU is still 1 physical CPU!

Motherboard:
High End - Desktop
In case of No ATX +12V board +5V rail will be used to generate CPU voltage (Socket A and Socket 423).

CPU:
AMD Athlon 64 X2 3800+ EE SFF 2000 MHz AM2 Windsor

CPU Utilization (TDP [2]):
80% TDP

Overclock my CPU!

Stock CPU speed (MHz)	2000
Stock Vcore (V)	1.075
Overclocked CPU speed (MHz)	
Overclocked Vcore (V)	

Overclock **Overclocked CPU Wattage:**
Please use Overclock button to generate OC Wattage

RAM:
4 Sticks DDR2 SDRAM — FB DIMMs ?

Video Card:
NVIDIA GeForce 7300 GS

Video Type:
SLI

Hard Drives:

IDE 5400 rpm:	IDE 7200 rpm:	SCSI 7200 rpm:
- Select	- Select	- Select
SCSI 10,000 rpm:	**SCSI 15,000 rpm:**	**Regular SATA:**
- Select	- Select	- Select

PCI Cards:

56K PCI Modem	PCI NIC
Sound Blaster - All Models	PCI IDE Card
Sound Blaster w/ Front Bay	PCI IDE RAID Card
TV Tuner - Satellite	PCI SCSI Card
TV Tuner - Cable	PCI SCSI RAID Card
TV Tuner - Antenna	PCI SATA RAID Card

Additional PCI Card (avg):
- Select

Additional PCI Express Cards:
Exclude Video Card(s) from this list.

PCI-e x1	PCI-e x4	PCI-e x8	PCI-e x16
- Select	- Select	- Select	- Select

External Devices:
(Only check if device draws power from the system)

USB: 8 Devices
FireWire: - Select

Other Devices:
- Fan Controller
- Front Bay Card Reader
- Front Bay LCD Display

Cold Cathodes:
- Select

Fans

	Regular	LED	High Perf.
80mm	- Select	- Select	2 Fans
92mm	- Select	- Select	1 Fan
120mm	- Select	- Select	3 Fans
140mm	- Select	- Select	1 Fan
250mm	- Select	- Select	

TEC Coolers:
(Including liquid cooling kits with TEC)
- Select

Water Cooling:
(Only devices that draw power from the system)

Water Pumps
- Select — 1st Pump
- Select — 2nd Pump

XOV Tools


eXtreme Flow Designer

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High rpm SATA: 2 HDDs

Green SATA: - Select

SSD Drives (Solid State Disk):

DRAM SSD: - Select

Flash SSD: - Select

Drives:

CD-ROM Drive: - Select

DVD-RW/DVD+RW Drive: 1 Drive

DVD-ROM Drive: - Select

Tape Drive: - Select

CD-RW Drive: - Select

Zip Drive: - Select

DVD/CDRW Combo Drive: - Select

Floppy Drive: - Select

Blu Ray Internal Drive: - Select

Blu Ray BD-RE/DVD/CD: - Select

Water Cooling Kit: - Select

Pump Relay: - Select

Power Supply Adjustments

System Load: [3] 90% (recommended)

100% peak load - ALL components are at 100% load.

Capacitor Aging: [4] 25%

Other Hardware: Keyboard & Mouse (included)

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1 System Type: Based on physical processor(s) or # of sockets. Multicore CPU counts as a single processor. For example: for a single Core 2 Duo you should select 'Single Socket' as System Type.

2 TDP - Thermal Design Power. We recommend 85-90% since it is very rare that CPU will utilize 100% of TDP.

3 System Load: 100% (peak load) - all components are at 100% load, including start up surge current compensation.

4 Electrolytic capacitor aging. When used heavily or over an extended period of time (1+ years) a power supply will slowly lose some of its initial wattage capacity. We recommend you add 10-20% if you plan to keep your PSU for more than 1 year, or 20-30% for 24/7 usage and 1+ years.

* See our Terms of Service for details.

** Recommended UPS rating is based on the selected components only and does not include monitor, printer or any other electronic devices that are not a part of the eXtreme Power Supply Calculator.