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

eXtreme Power Supply Calculator Lite

ATTENTION: FOR PERSONAL, NON-COMMERCIAL USE ONLY

Latest Updates:
October 5, 2012 | July 26, 2012 | May 10, 2012 | March 29, 2012 | 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!

ATTENTION:
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: 211 W

Recommended PSU Wattage: * 261 W

Calculate Reset Print

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

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

CPU Brand:
Intel

CPU Socket:
Socket LGA 1155

CPU:
Intel Core i7-3770K 3500 MHz Ivy Bridge

CPU Utilization (TDP [2]):
90% TDP (recommended)

Overclock my CPU!

Stock CPU speed (MHz)	3500
Stock Vcore (V)	1.25
Overclocked CPU speed (MHz)	
Overclocked Vcore (V)	

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

RAM:
4 Sticks DDR3 SDRAM FB DIMMs ?

Video Cards:

Video Brand:
AMD

Video Card 1:
AMD Radeon HD 7750

Video Card 2:
- Select

Video Card 3:
- 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	1 Fan	- Select	- Select
92mm	- Select	- Select	- Select
120mm	- Select	- Select	- Select
140mm	- Select	- Select	- Select
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

Water Cooling Kit:
- Select

Pump Relay:

Video Card 4:
- Select

Video Type:
- Select

Physics Processing Unit:
- Select

Hard Drives:

IDE 5400 rpm: - Select
IDE 7200 rpm: - Select
SCSI 7200 rpm: - Select
SCSI 10,000 rpm: - Select
SCSI 15,000 rpm: - Select
Regular SATA: - Select
High rpm SATA: - Select
Green SATA: 1 HDD

SSD Drives (Solid State Disk):

DRAM SSD: 1 Drive
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

- Select

Power Supply Adjustments

System Load: [3]
90% (recommended)
100% peak load - ALL components are at 100% load.

Capacitor Aging: [4]
- Select

Other Hardware: Keyboard & Mouse (included)

Minimum PSU Wattage: **211 W**

Recommended PSU Wattage: * **261 W**

Calculate | Reset | Print

[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.