

# HP base station power supply changed to 13.8

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How to modify hp-hstns-pl14 power supply?

) Integrate the power supply in a 3D printed encasing including the output plugs, voltmeter and on/off switch. It covers well the modification of the HP-HSTNS-PL14 by adding a startup resistor and changing output voltage from 12 to 13.8V. Many thanks to "Robert" for making this information available.

What is hstns-pl14 server switch-mode power supply rated for?

This is a very simple project aiming to modify HP HSTNS-PL14 server switch-mode power supply (originally rated as 460W,12V/38.3A) so it is capable of supplying 13.8V and about 33A of current. Additionally the power supply has been enhanced with:

What is a hstsn-pl14 power supply?

These are all HP "common slot" power supplies, which come on the second hand market when server racks are being de-commissioned and replaced by more modern equipment. I chose the HSTSN-PL14, as it was available for EUR13 (ex. shipping) here in The Netherlands. It can deliver 460W, which equals ~33A @ 13.8V, more than enough for my application.

Can a power supply be modified without disassembling?

All necessary connections can be done without disassembling the power supply. If the modification is successfully done, the green LED on the front panel of the unit will light up upon connection to the AC mains. The output voltage will be very close to 12v (12.1-12.3 without a load).

Having hacked a 1200W HP to output up to 16V for charging a large 4S pack, there appears to be two OVP mechanisms to defeat. I looked for resistors connected to the output ...

This article documents the modification of 2 types of Hewlett Packard switching power supplies to enable their use as power sources for ham ...

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One specific voltage that has garnered attention in the realm of HP servers is 13.8 volts. This article delves into the significance of this voltage level, how it affects server performance, and ...

Big thanks to Mr BBI @BoxBuilderIdaho for his video on this Power Supply. I would encourage you to watch his video as he goes into much more detail than I have.

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Embellish, protect and reduce the sheet metal look of your modified HP server power supply with this 3D-printed enclosure. This is not meant to describe the voltage modification for these ...

Mod to raise the output voltage of an HP power supply DPS-1200FB A, HSTNS-PD11 to 13.8 vBE CAREFUL as you have to plug the PSU to adjust the output voltage...

However, for seamless operation and optimal performance of HP servers, understanding the nuances of power supply, specifically the 13.8 volts variant, is crucial. This article delves deep ...

Modding these widely-available HP Power Supplies to obtain 13.8V DC has been around for several years. Problem is, most of these supplies are just different enough inside as ...

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Fortunately, there is a lot of info on the Internet on how to modify these to a higher voltage, in particular to 13.8V, a voltage which is a standard for communication equipment. So, ...

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