

## Solar panel 13v

rückseiten-kontaktierte monokristalline SunPower-Zellen mit ca. 20% Wirkungsgrad,  $V_{mp}:13V$ ,  $I_{mp}:3,07A$ , 40 Wp (Wattpeak)  $\pm 6\%$ ,  $600*410*3mm$ , Gewicht 1,0 kg, 3m Kabel mit SF-Stecker sowie 6 Befestigungsösen 16mm

Your panel is not outputting enough energy to charge your battery and run your loads. The SOC of your charge controller is based on energy in and energy out that it sees. If it never gets to a power to actually fully charge the battery, it will assume the most it has ever saw is 100% SoC

I modified the AZ34063A circuit so that the output is now 13V instead of the original 5V/500ma and connected to a 24Voc 150W photovoltaic panel but I plan to charge the gel battery to about 13Vmax, so it may happen that at night the input voltage will be very low, so on the plus side of the PV panel I have diodes protecting against ...

Battery voltage = 13V (battery voltage can vary between say 10.8V fully discharged and 14.4V ...

So I continuously check the MPPT and notice that the voltage never have gone up above 13v even tough the panel are producing over 100W. In any case far from boost (14.7V) or float (13.8V). I disconnected everything ...

PWM controllers are basically just a switch that connects the panel to your battery. That pulls the panel voltage down to battery voltage while charging. That's why you only see 13V. MPPT charge controllers are DC to DC converters designed to optimize the power from your panel to your battery.

13 volt solar panel for hobby solar, project solar panel, and science solar panel, and electric solar modules and solar panels. Solar panels output 13V to charging 9 volt batteries. 13V solar panel

If you had removed the charge from the battery and applied no loads at all, you would still have seen it drop below 13V in a few hours. Voltage is "mushy". To get a "12V" battery fully charged, you must charge to a higher voltage.

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again and checked the cables, and also reseted the MPPT to default &quot;Sealed&quot; without success. At the moment idle battery voltage is ...

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I modified the AZ34063A circuit so that the output is now 13V instead of the ...

Battery voltage = 13V (battery voltage can vary between say 10.8V fully discharged and 14.4V during absorption charge mode). At 13V the panel amps will be slightly higher than the maximum power amps, say 5.2A. With a PWM controller, the power drawn from ...

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