



FTMRS SOLAR

## 36v solar panel solar panel





## Overview

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What is a 36 cell solar panel?

A 36 cell solar panel is called a 12V “nominal” panel, as it is designed to charge a 12V battery. Similarly, a solar panel with twice as many cells, 72 cells, outputs about 36 volts, and it is great for charging a 24V battery bank. So, it is called a 24V nominal solar panel.

Can You charge a 36 volt battery from a solar panel?

A company called Genasun makes boost charger controllers for golf carts that can charge a 36 volt battery from a panel with lower than 36 volt output. I have a similar need, charging a 36v golf cart out of solar power. I found in my garage 3 old panels that seem to be in good shape. My tester shows 12.3 Volts (open circuit).

What happens if you convert 36V solar panels to 18V?

Keep in mind that the voltage drop over a diode is about 1.4 volts, so if you convert from 36 volts to 18 volts, there will be a loss of about 5.2 volts per panel. What are the advantages and disadvantages of converting 36v solar panels to 18v?

How many volts can a 36-cell solar panel produce?

The more cells that are wired in series, the higher the voltage. A 36-cell solar panel wired in series produces about 18 volts. This makes it perfect for charging a 12V battery bank, as you need a higher voltage to charge a battery.



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