

# Aluminum Alloy Photovoltaic Support on Cement Roof

Which material should be used for photovoltaic (PV) support structures?

When it comes to selecting the material for photovoltaic (PV) support structures, it generally adopts Q235B steel and aluminum alloy extrusion profile AL6005-T5. Each material has its advantages and considerations, and the choice depends on various factors. Let's compare steel and aluminum for PV support structures:

How do I choose a steel or aluminum PV support structure?

Ultimately, the selection of steel or aluminum for PV support structures depends on project-specific factors such as the size of the installation, load requirements, budget, site conditions (e.g., wind and snow loads, corrosive environments), and sustainability goals.

Are aluminum extrusions a good investment for the solar PV industry?

Aluminum extrusions have proven their value proposition in a variety of industries such as: Building and Construction, Transportation, and Engineered Products. Many of the attributes aluminum extrusions offer these industries can also be of benefit to the Solar PV Industry; these include:

What is a Solar Roof mounting system?

The solar roof mounting system is to install a solar power generation device on the rooftop and use solar photovoltaic technology to generate electricity in the building field. The solar PV carport is a system that combines photovoltaic power generation with carport.

What materials do ATP solar mountings use?

As part of ALU TP GmbH, at ATP Solar Mountings, we use an aluminum alloy with a reduced CO<sub>2</sub> equivalent for the production of our solar mounting solution. Do you have a customer inquiry that requires a special solution, a recurring problem or already have a specific solution in mind? Talk to us about it!

Can aluminum extrusions be used in ground mounted PV installations?

In ground mounted PV installations, aluminum extrusions have also found a place, although to a much lesser extent than in roof-tops, as the majority of installations have given preference to galvanized Steel structures.

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