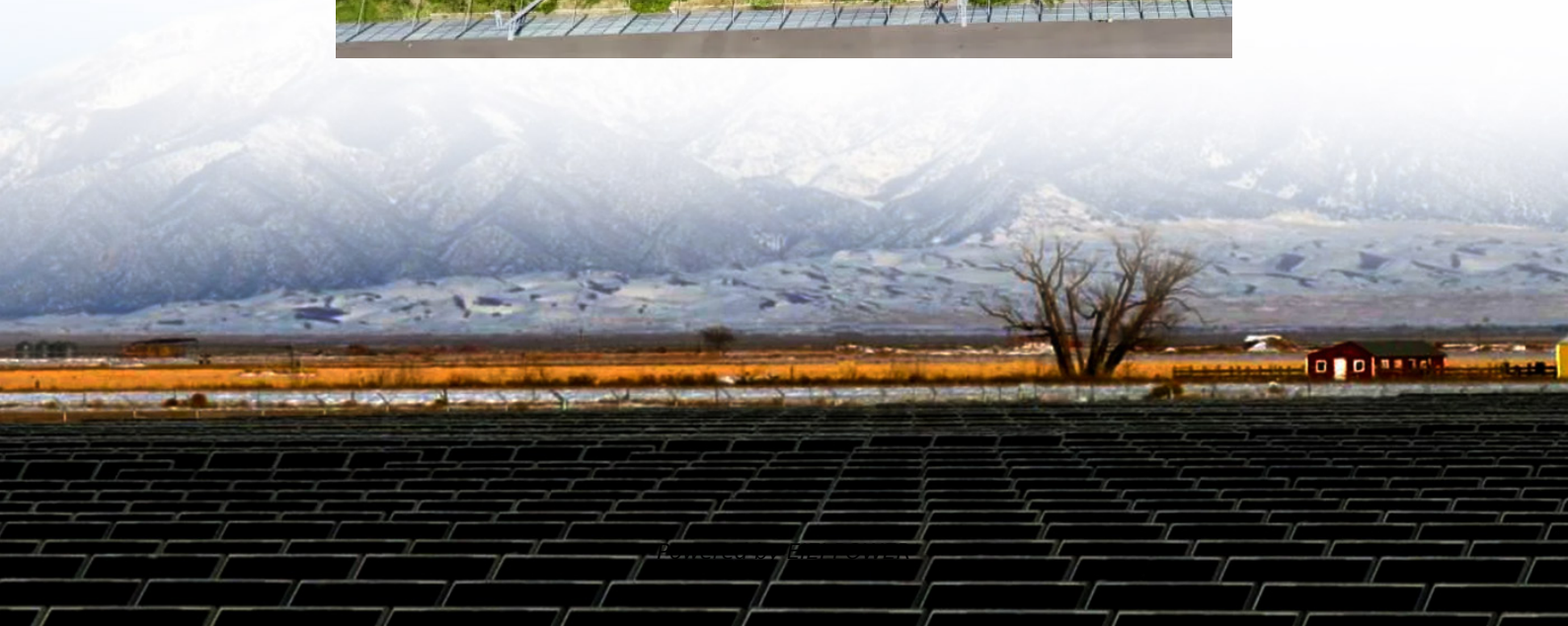


# **Solar circulating water pump pressure selection**





## Overview

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How do you design a solar water pumping system?

When designing a solar pumping system, the designer must match the individual components together. A solar water pumping system consists of three major components: the solar array, pump controller and electric water pump (motor and pump) as shown in Figure 1.

What are the components of a solar water pumping system?

A solar water pumping system consists of three major components: the solar array, pump controller and electric water pump (motor and pump) as shown in Figure 1. Note: Motor and pump are typically directly connected by one shaft and viewed as one unit, however occasionally belts or gears may be used to interconnect the two shafts.

What is a solar water pumping system?

A solar water pumping system is ideal in remote locations where grid electricity does not exist or it is cumbersome to carry in gasoline or diesel to feed a pump. All you have to do is set up the solar system and it operates on solar power, free of charge, on its own. But “all you have to do is set up the system” is often not that easy.

How to choose a solar water pumping system?

The type of solar water pumping system: borehole/well (submerged), floating or surface will depend on the water source. If the source is a borehole (proposed or existing) or deep well, then a submersible pump that fits the borehole or well should be selected. If the water source is a river, then a surface pump should usually be selected.



## Solar circulating water pump pressure selection

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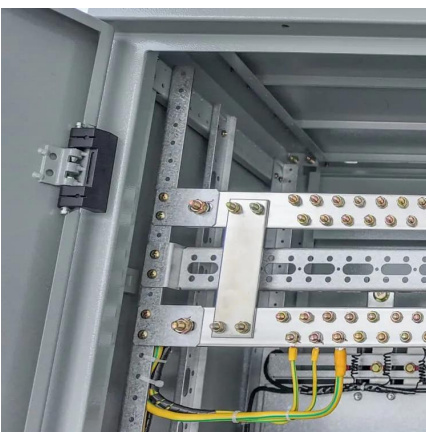


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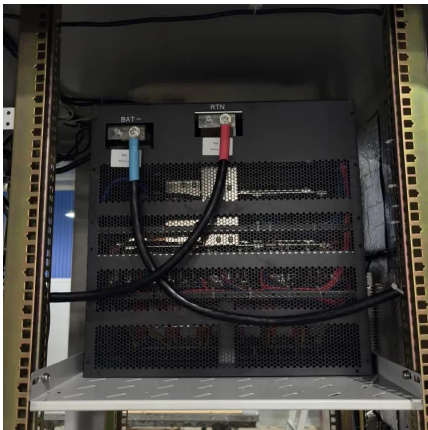
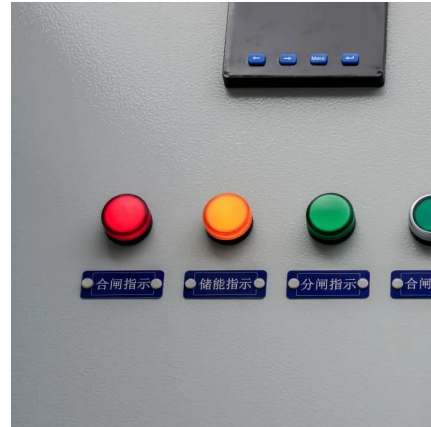


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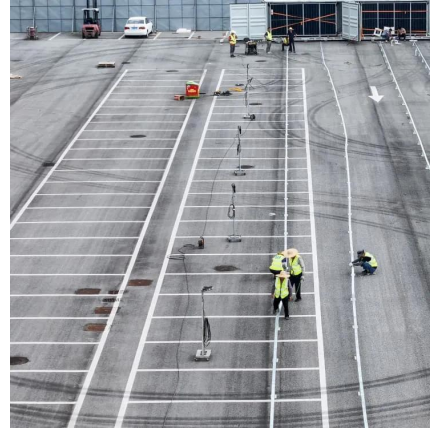
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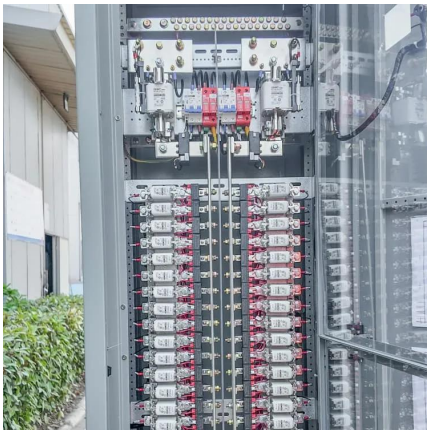
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