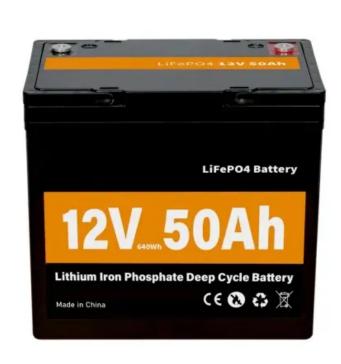


### **SolarMax Energy Systems**

# Solar power generation dedicated water pump inverter





#### **Overview**

DC pump dedicated inverter (also known as DC-DC controller) is directly connected to the solar panel, without the need for batteries or AC conversion, and optimizes the output of the photovoltaic array through the MPPT (maximum power point tracking) algorithm to match the voltage and current requirements of the DC water pump (such as permanent magnet brush less DC motor).



#### Solar power generation dedicated water pump inverter



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Conclusion: Solar inverters are the cornerstone of solar-powered water pump systems, unlocking the potential of renewable energy for sustainable water access. By understanding the key

...



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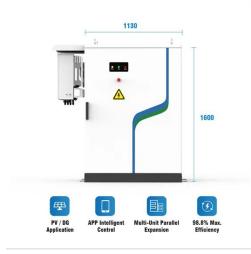


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### VEICHI SI23 Solar Water Pump Inverter, Controller, Drive, System

2. Complete water pump protection functions extend the life of the water pump. 3. The Custom PQ curve allows users to understand information such as accumulated flow and power generation.



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and they offer battery-less operation by converting solar energy directly into AC power that drives water pumps. This helps reduce overall system cost by ...

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