



Solar management unit price

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r-MPPT Solar Management Unit (SMU) 12V/24V 40A can convert your simple Inverter into Solar Inverter. SMU ensures priority usage of Solar Power to reduce Grid consumption. The SMU could charge battery automatically from photovoltaic (PV) systems. The charging process has been optimized for long battery life and improved system performance

Model: UTL-MPPT-SOLAR-CHARGE-CONTROLLER-12V/24V

Cashback: Get 6% cashback on all Online Bank Full Payment (Excluding Non-EMI Transaction)*Cashback will be received from nearest shoppe supplying material in 7 to 15 bank working days.

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The charging process has been optimized for long battery life and improved system performance. The comprehensive self-diagnostics and extensive electronic protection can prevent damage against incorrect wiring or system faults.

If the sunlight is full then solar charge controller charge the solar battery with the first priority of solar energy, when the battery is fully charged, it runs the load from the solar and automatically starts running the load on the power back in the evening. Solar management unit gives first priority to solar panel's power.

In this SMU, you get the in-built r-MPPT Solar Charge Controller, which keeps the efficiency of solar panels and life of solar battery longer.

The best part of UTL SMU (solar management unit) is that it runs on one inverter with one battery or two batteries. It has best features to automatic battery selection. It is available in 12V or 24V with 1 year warranty.

High speed microcontroller increases the performance of the system. UTL's Solar Management Unit (SMU) is embed with a high speed microcontroller which provide ability to perform its task more reliably and efficiently.ational life

SMU ensures priority usage of Solar Power over Grid Power to reduce Grid consumption. In Daytime condition, the system will give priority to Solar Power and use Grid Power only when the Solar Power is insufficient to sustain the load requirement. When battery gets fully charged during daytime, the SMU will automatically cut-off the Grid Power from the system and load will run through the home inverter.

SMU utilizes four stage battery charging algorithm that enhances the battery life. In Bulk stage SMU feeds the



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battery installed to it a constant boost charging current until its voltage reaches 14.4V and the float current (which is very close to zero), then in absorption stage it maintains this voltage above 14.2V for 3 hrs. Thus reducing the float current (flowing for the longest period during the entire process) to zero, ultimately resulting in much enhanced battery life keeping it fully charged simultaneously.

The system can work as a domestic inverter and a solar inverter automatically or manually through a switch except in night condition. In night condition, first it will harvests the stored battery energy then it will work as normal domestic inverter.

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