

## Sri Sresti Marketing Solutions

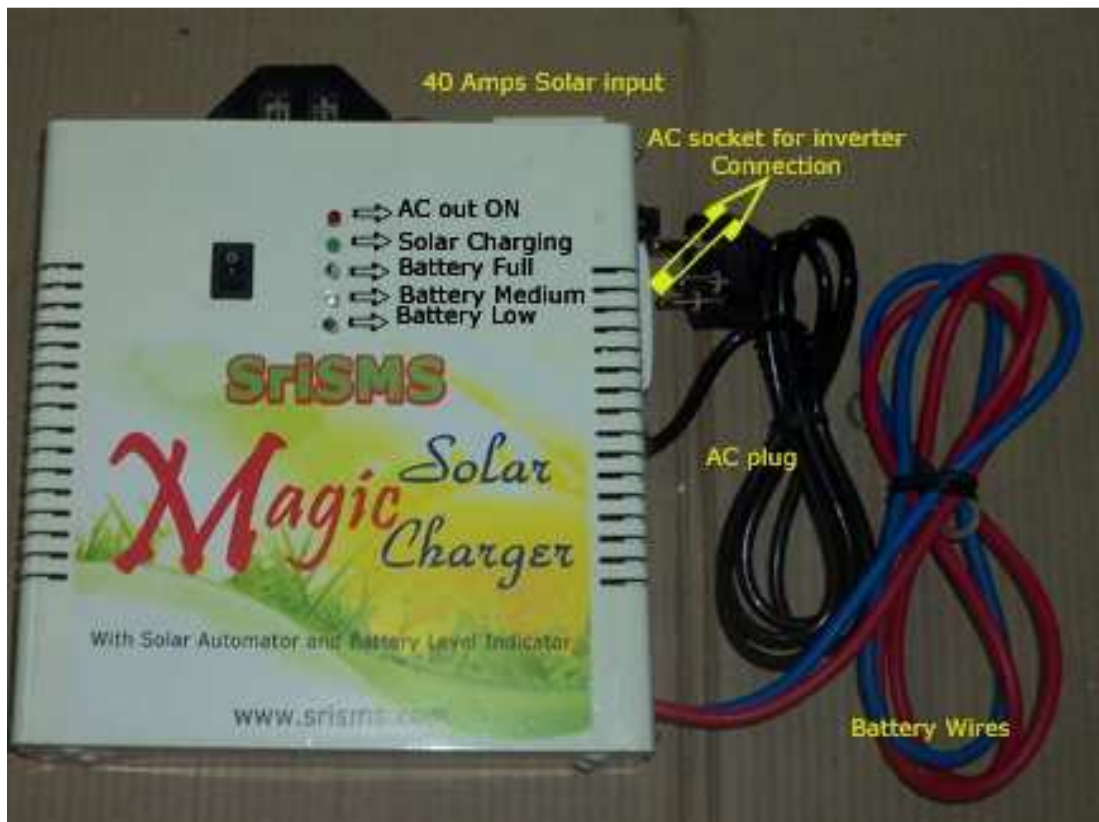
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# SriSMS Magic Solar Charger

12V 40Amps useful for solar array up to 1kw and  
battery bank up to 240Ah



**With this unit you can turn your exiting ordinary inverter system to solar power system with solar array.**

**SriSMS Magic Solar Super Charger with Solar prioritizer or automator, power condition unit (PCU) with 12V 40Amps rating with Battery High, Medium & Low indications**

Power Condition Unit backed (PCU) by Solar prioritizer / automator / super charge controller / super converter circuit is a microcontroller based circuit which continuously tracks the solar input

power / battery charging levels and AC input and prefers the solar to run the load without affecting the battery levels. Hence has an automatic main change over feature ONLY when necessary and during night time.

**This converter can be connected to a panel rating of 12V upto 1000W and can charge a battery string of 12V of 240Ah.**

**(constant voltage charging mechanism) with Power Condition Unit.**

**The most advanced in the market**

## **ONE YEAR SERVICE WARRANTY**

**CABINET / BOX MODEL MAY CHANGE BUT FEATURES ARE SAME**

**Model / Cabinet may change but the specifications remain same**

**OBSERVE POLARITY VERY CAREFULLY**

**RED WIRE TO BE CONNECTED TO POSITIVE TERMINAL**

**BLUE / BLACK WIRE TO BE CONNECTED TO THE NEGATIVE TERMINAL**

### **Features:**

- \* Can be integrated from min 100W array to 1000W array. (power generated will be at par with the array)**
- \* 12V 40Amps High Efficiency Solar charger with Solar Prioritizer, Battery Management & Power Condition Unit**
  - \* Digital Battery Level Indicator for quick monitoring of battery status**
    - \* Wall mount for best aesthetic looks and monitoring**
    - \* Comes with 10sq.mm termination block on solar side**
    - \* Comes with AC power chord and 5pin AC output socket**
      - \* Comes with 10sq.mm battery cables with lugs**
      - \* Has Solar / Battery reverse protection**

### **Indicators on the unit: (from top to bottom)**

- 1st LED - Red - AC Power Indicator ( lights up if the supply is going to inverter)
- 2nd LED - Green - Solar / Synchronised Indicator (lights up if charging by solar during day)
- 3rd LED - Green - Battery Full Indicator
- 4th LED - White- Battery Medium Indicator

5th LED - Red - Battery Low Indicator

**Front Rokr Switch 1(Black rectangle switch) - On/Off for Battery Status Indicator Side Rokr Switch 2 - For any future / expansion possibility. Top socket for future use.**

**AC chord - one yard**

**Battery wires - 10sq.mm of 1mtr approx complete with battery lugs**

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As you can see in the picture:

1. black wire from panel is to be connected to the left side of top black strip connector
  2. red wire from panel is to be connected to the right side of top black strip connector
  3. blue / black wire with lug goes to battery negative terminal
  4. red wire with lug goes to battery positive terminal
  5. the three pin power plug goes to the wall socket / grid / electricity board supply
  6. so there will two set of wires to the battery - one from this All in one and another from inverter
  7. the inverter power plug goes into this front 5 pin socket
  8. if the battery is charging through mains then the mains indicator will light up and the inverters power and charger indicators come up
  9. if the charging from solar is active the YELLOW will light up. So during day if the connetions are correct only this should blink even if grid is present. means the grid is isolated to inverter during day time. it will resume only after sunset or if the battery voltage is dropping beyond basic needs.
  10. once the power / grid resumes to inverter after sunset the mains will light up using battery power to basic extent
  11. if during rainy or cloudy weather if the battery charging cannot be adequate then you need not make any changes anywhere, this will bye pass the PCU function and resumes power to inverter during day time also.
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Technical specifications and model are subjected to change without notice. Please confirm while ordering. We can also supply other ratings like 24V 40Amps, 48V 40amps / 72V 40amps also.

**ALWAYS CHECK THE ELECTROLYTE LEVELS OF THE BATTERY / S FOR BETTER PERFORMANCE**

Advantages:

1. Direct termination of solar cables with 10sq.mm connector (handles up to 60amps)
2. Plug and play device
3. Solid state design and no moving parts
4. All major components are made in India in automated plants
5. Unique design for better life of components
6. Every individual hardware is ideally available for best management
7. Consumes minimum space
8. Can be easily fixed / installed by any electrician
9. Has battery cables to avoid battery cable sizing and additional convenience

**ALWAYS CHECK THE ELECTROLYTE LEVELS OF THE BATTERY / S FOR BETTER PERFORMANCE**

Note:

- Prices / Models / Specifications are Subject to Change without Prior Notice.

- Transportation Charges at Actuals.
- Delivery minimum 7 working days.
- We can also give customized solutions
- All in Chargers with rated capacities and multi inputs for solar and wind also available.

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This Magic solar charger / converter is a simple device, if you want with feature rich  
All in one solar charger

With:  
Solar charger with Automator / Prioritizer  
Battery Management  
DC MCB  
Energy Meter  
Additional battery charger



**Our other products in this segment**

Srisms – Battery Pulsar – Electronics to enhance the electrical capacity of the battery  
Srisms – Battery Charger – Special charger to charge battery  
Srisms – Solar Battery Charger – Solar powered battery charger to prevent deep discharge

**We also have**

**Solar Mobile charger | Solar Tablet PC charger | Solar Laptop charger**

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