

**HP2420**  
MRP- 2000/-  
Ampere: 20A



**HP2430**  
MRP- 2500/-  
Ampere: 30A



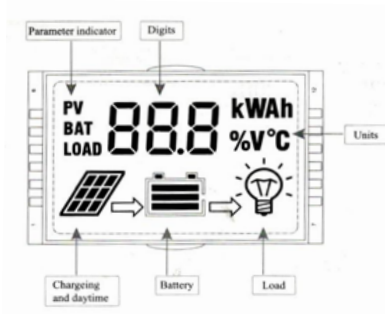
**HP2440**  
MRP- 3500/-  
Ampere: 40A



**HP2450**  
MRP- 4500/-  
Ampere: 50A
















## LCD DISPLAY

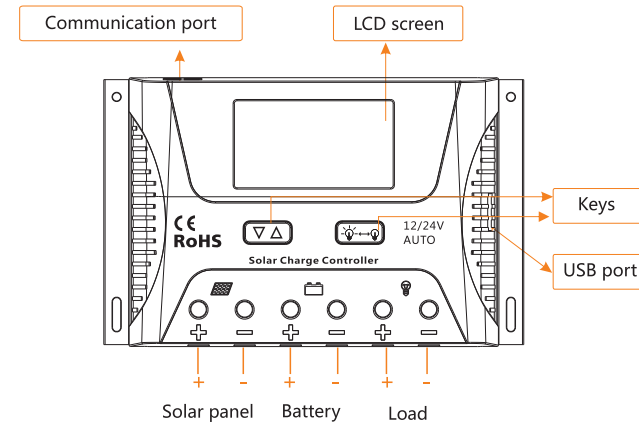


## PRODUCT FEATURES

- 12V/ 24 V system voltages are automatically recognized.
- Graphic LCD screen and a human-machine interface. Not generally found in PWM controllers.
- Shows solar panel voltage and ampere. Functions like a multimeter!
- Shows battery health including % of discharge, voltage and temperature!!
- An upgraded 3-stage PWM charging algorithm is adopted. Application of an equalizing charging to the battery periodically or when over discharged, thus extending the battery's service life.
- The product provides overcharge, over-discharge, overload protection, as well as short circuit protection. Features an industrial grade design, the product can function well in various tough conditions.

| LCD Icon  | Indicated Object  | State          | Meaning                              |
|---|-------------------|----------------|--------------------------------------|
|    | Day recognition   | Steady on      | Day time                             |
|    | Night recognition | Steady on      | Night time                           |
|    | Solar panel       | Steady on      | Solar panel indication               |
| BOOST   | Charging state    | Steady on      | Boost charging                       |
| FLOAT   |                   | Steady on      | Floating charging                    |
| EQUATIZE  |                   | Steady on      | Equalizing charging                  |
|    | Battery           | Quick flashing | Battery overvoltage                  |
|    |                   | Slow flashing  | Battery over-discharge               |
|   | Battery SOC       | 4 dashes       | 100%                                 |
|  |                   | 3 dashes       | 75%                                  |
|  |                   | 2 dashes       | 50%                                  |
|  |                   | 1 dash         | 25%                                  |
|  |                   | 0 dash         | 0%                                   |
|  | Load              | Steady on      | Load turned on                       |
|  |                   | Steady on      | Load turned off                      |
|  |                   | Quick flashing | Overload or short-circuit protection |

## PANEL STRUCTURE



### Regd. Office

709, 7th Floor Makers Chamber - V  
Nariman Point MUMBAI - 400021  
022-22849999

### Marketing Office

205, Balrama House,  
Opposite Milan Cinema Karampura,  
New Delhi - 110015

504, NRK Biz Park, PU 4, Scheme no. 54,  
Vijaynagar, Behind C - 21 Mall  
INDORE (M.P.)

### Stock Point at

Indore, Bhiwandi, Ghaziabad, Patna and Lucknow.

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