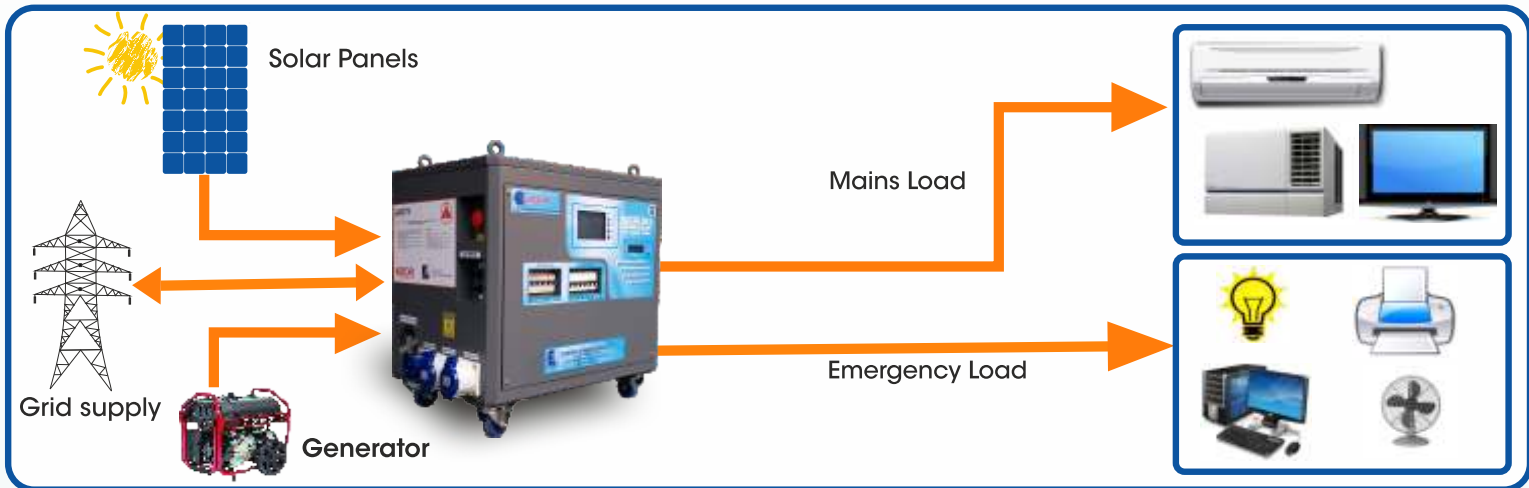


## Lithium - Ion Battery Based Solar Power Pack With Grid Feeding Option

- ✧ Easy to carry & install power pack with wheels
- ✧ Silent , clean and economical to operate - true 3.3kW and 5kW power solution
- ✧ Built in Lithium Ion battery bank & Smart power console
- ✧ Grid feeding enable - sell surplus PV generation to utility using Noor
- ✧ Taiwan design and high quality components



### Simple affordable and reliable, extremely long life

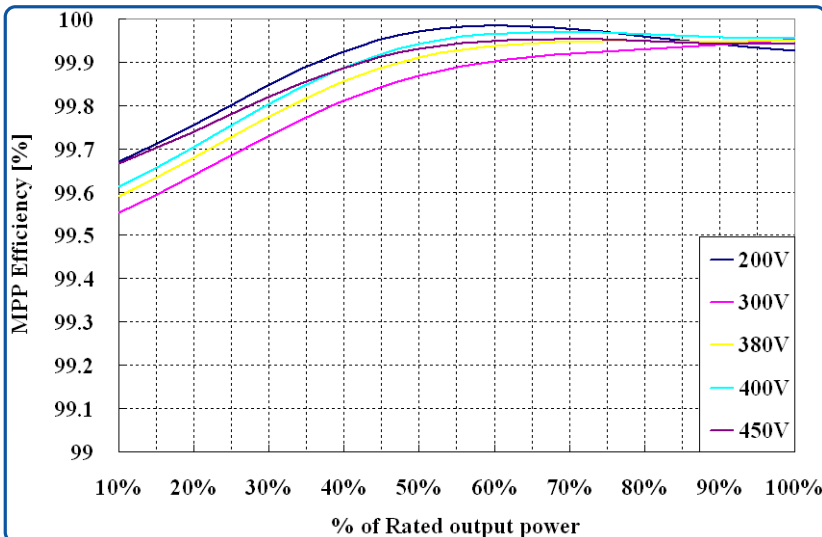
NOOR series of solar power packs are having **self consumption inverter technology with grid feeding** (net metering) function. It is interactive & complementary to the utility's power grid and measures load demand as well as available solar power (PV) to decide optimum amount of power supply being used from grid to run connected load (mains + emergency). It mixes both the source (grid + PV) to run connected loads and also to charge batteries for emergency applications. In case of power cut (i.e. grid failure), NOOR automatically act as independent power supply to run emergency loads without consuming batteries for running mains loads. This is special battery management feature of NOOR due to its smart power console. In case load consumption are less then the available PV generation, then NOOR feeds surplus power back to the grid and acts as net metering solution...



### Key Features

- ✧ Latest self consumption inverter technology with grid feeding (net metering)
- ✧ Built-in Lithium-Ion battery bank for one hour full load back up - Optional expandable battery bank (up to 20kWh) possible
- ✧ Built-in smart power console for intelligent power balance solution - battery backup to emergency load only for optimum battery use.
- ✧ Pure sine wave AC power output, Intelligent control and perfect protections inbuilt.
- ✧ Iconic display with graphic LCD - easy to monitor energy flow.
- ✧ Selectable scenarios for sophisticated energy applications
- ✧ Special capacitor modular design for longer inverter life span
- ✧ Monitor power information and system settings on computer using special software and RS-485 / Blue tooth (optional) interfaces
- ✧ Low loss unipolar configuration with high-frequency switching IGBT.
- ✧ Net physical dimension in mm (LxWxH)=(625x440x650)
- ✧ Conformity to the EMC, Low Voltage Directives and Standards, e.g. 2004/108/EC, 2006/95/EC, IEC/EN 62109-1/-2, IEC/EN 62040-1, VDE-AR-N 4105 and CEI 0-21.

## MPPT Efficiency Performance :



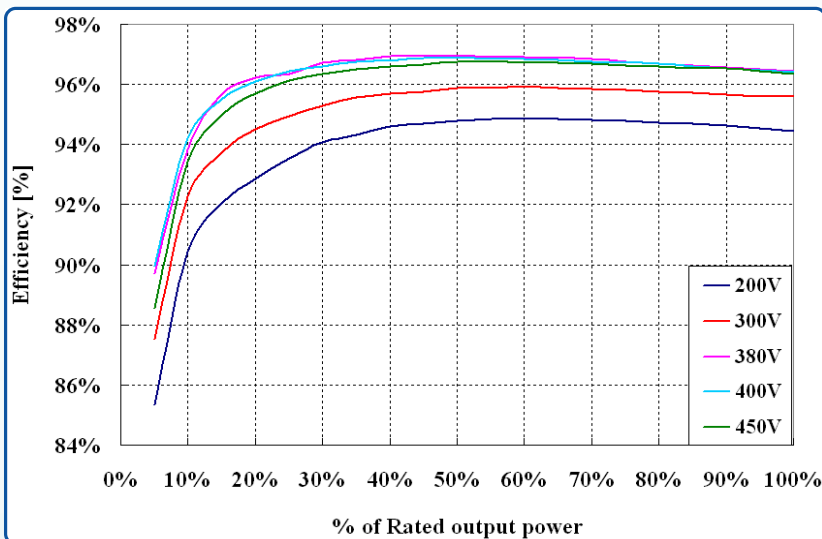
## Applications :

For urban and rural areas:

- ✘ Villas/ houses
- ✘ Defence sector
- ✘ Security & Para military forces
- ✘ Police forces
- ✘ Railways & Transportation sector
- ✘ Craftsmen, merchants
- ✘ Industrial units
- ✘ Office/ Institutes
- ✘ Bank & Post office branches
- ✘ Hospitals
- ✘ Schools/ Collages
- ✘ Community homes
- ✘ Farmers/ Farm houses
- ✘ Street lights
- ✘ Dairies, etc.

## System Efficiency Performance :

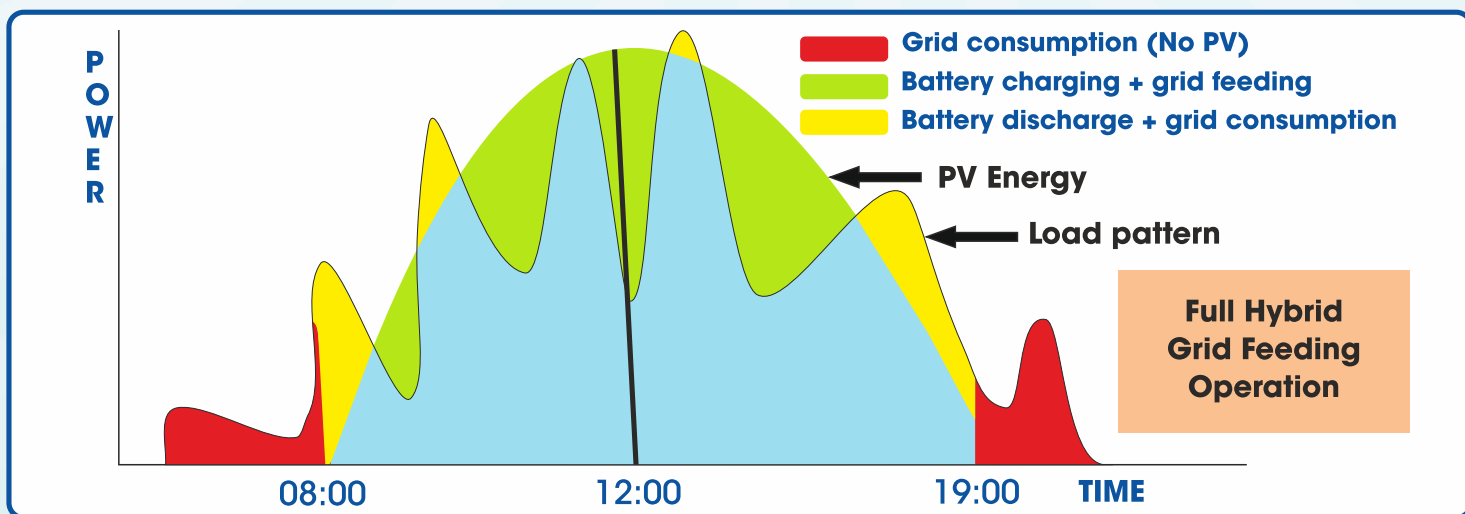
Euro. Efficiency = 96.6%



## System Specification :

Model Number	3K3	5K5
Full Load Capacity	3.3KW	5KW
Grid Feeding Option	Yes	Yes
PV Panel Sizing	3.5KW	5KW
Lithium-Ion Battery Bank	3.3KWh	5KWh
Typ. Backup Time (At full load) in Hrs	1	1

## Typical System Functionality Curve :



**Disclaimer :** Due to constant quality improvement at our R&D center, specifications/models may change without prior notice.

To know more, visit our ELWORLD showroom at B-25, Lajpat Nagar-II, Delhi  
 Call 1800-3000-7799 | SMS ELSOLAR to 56161 | www.elsolar.in



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