



## HYBRID INVERTER ESC-5000



# OORJA ON MOVE INFRA PVT LTD

Towards a greener tomorrow

# SOLAR PV SYSTEM



**One Stop Solution : Supply & Services**

# SOLAR PV SYSTEM



**Solar Structure**



**Cables**



**Battery**

**Inverter**



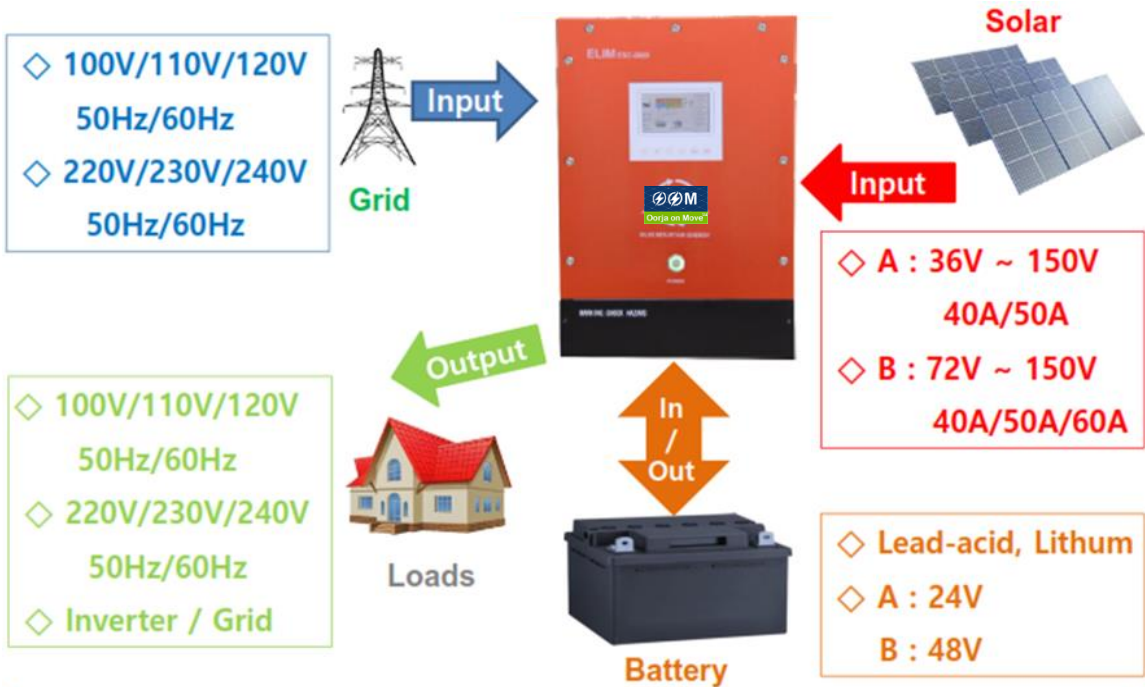
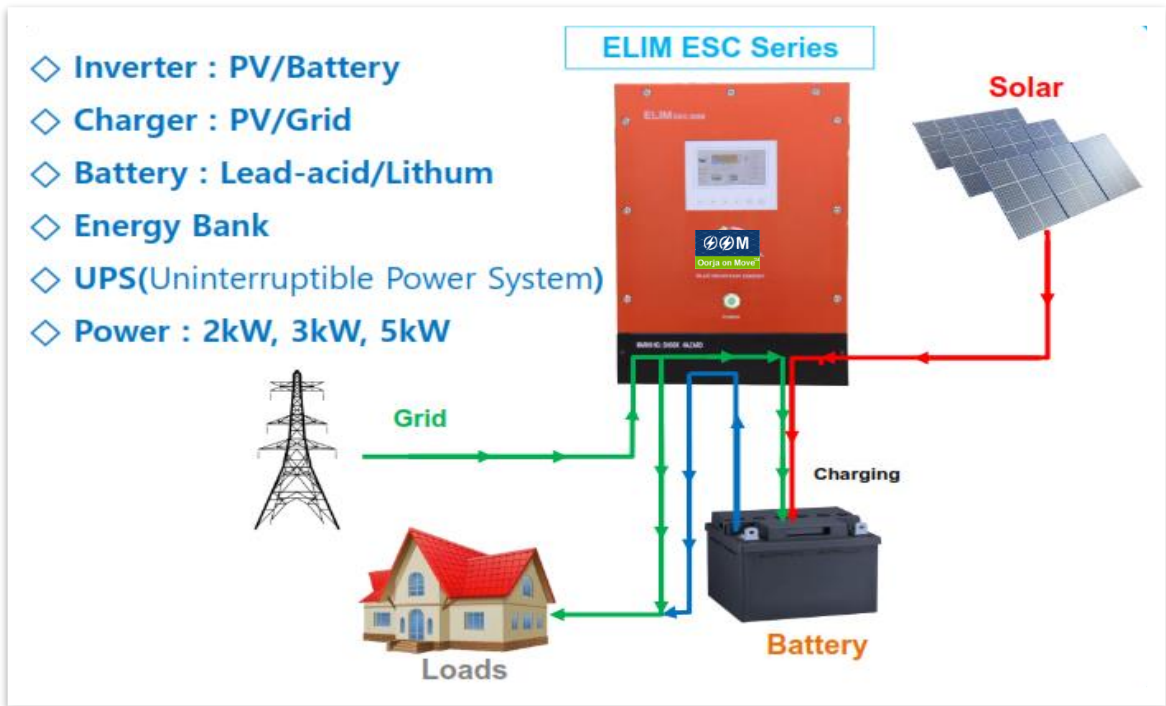
**Solar Panel**

**Solar Junction Box**



**All Products at One Place**

# HYBRID STRING INVERTERS



Wide Range for Most Application

# HYBRID STRING INVERTERS



## STRENGTH OF OORJA 'S PRODUCT

Three ways of charging by AC, Solar, AC-Solar at the same time.

Economical charging via solar panel.

Configurable for DC/AC simulation output.

## BACK UP EXAMPLE ( Li-Ion BATTERY 150AH,48V)

Laptop(24W) – Upto 300hr

TV(150W) – Upto 48hr

Refrigerator(200W) – Upto 36hr

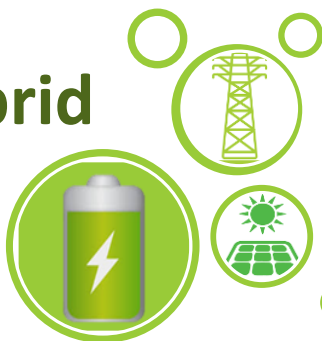
Washer(500W) – Upto 14hr

## ESC (ELECTRIC STORAGE CHARGING)

A low cost UPS that uses batteries to reduce electricity consumption. Compact UPS for home and small office use.

- TUV, IEC certification
- Multiple Com- RS485/RS232/WIFI/GPRS
- Industry Standard Warranty
- Local Stock at Gurgaon
- Pan India Service Support

**Hybrid**



**Off Grid**



**Wide Range for Most Application**

# HYBRID INVERTERS

| Models & Specifications |                        |                       | ESC 2000A                      | ESC-2000B | ESC-3000A     | ESC-3000B | ESC-5000B     |
|-------------------------|------------------------|-----------------------|--------------------------------|-----------|---------------|-----------|---------------|
| Input                   | Solar                  | PV Voltage            | 36V-150V                       | 72V-150V  | 36V-150V      | 72V-150V  | 72V-150V      |
|                         |                        | Current(max.)         | 40A                            |           | 50A           |           | 60A           |
|                         | AC                     | Voltage               | 100-110V/220-230V              |           |               |           |               |
|                         |                        | Current(max.)         | 40A/20A                        |           | 60A/30A       |           | 50A           |
|                         |                        | Frequency             | 50Hz/60Hz                      |           |               |           |               |
|                         | DC                     | Voltage               | 24V                            | 48V       | 24V           | 48V       | 48V           |
|                         |                        | Current(max.)         | 120V                           | 60A       | 180A          | 90A       | 120A          |
| Battery                 |                        | Lead Acid/Lithium-Ion |                                |           |               |           |               |
| Output                  | AC                     | Voltage               | 100-110V/220-230V (Adjustable) |           |               |           |               |
|                         |                        | Current               | 18/19A                         |           | 27.2A/13.6A   |           | 45.4A/22.7A   |
|                         |                        | Frequency             | 50Hz/60Hz (Adjustable)         |           |               |           |               |
|                         |                        | Power                 | 2kW                            |           | 3kW           |           | 5kW           |
| Charger                 | Battery                | Type                  | Lead Acid/Lithium-Ion          |           |               |           |               |
|                         |                        | Voltage               | 20.5V-31V                      | 40.5V-62V | 20.5V-31V     | 40.5V-62V | 40.5V-62V     |
|                         | Grid                   | Current(max.)         | 25A                            | 15A       | 25A           | 15A       | 15A           |
|                         | MPPT                   | Current(max.)         | 110A                           | 55A       | 130A          | 65A       | 75A           |
| Environment             | Type of installation   |                       | Indoor                         |           |               |           |               |
|                         | Ambient temperature °C |                       | -20 °C ~ 50 °C                 |           |               |           |               |
|                         | Storage Temperature °C |                       | -30 °C ~ 70 °C                 |           |               |           |               |
|                         | Humidity               |                       | Under 90% non condensing       |           |               |           |               |
| Dimensions              | Size(W*H*D)            |                       | 37cm*48cm*11.5cm               |           |               |           |               |
|                         | Product weight (kg)    |                       | 10.9kg/12kg                    |           | 12.7kg/13.5kg |           | 14.3kg/16.5kg |

Pure sine-wave inverter, a MPPT solar charge controller and an AC Charger

**Soft-start function** reduces sparks which occurs when connecting cables to battery terminals.

Products can be connected in parallel to store and use larger power.

**Three-phase output** is available by connecting three products in series.

There are various **protection** functions.

Product monitoring with **4.3" color LCD display**.

Specification suits Most Application


# Customer Credentials



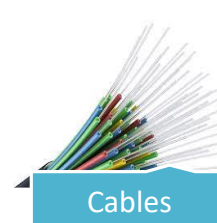
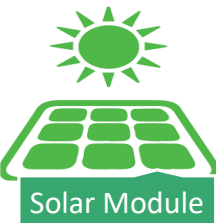
Customer Satisfaction Guaranteed

# Engineered Energy Solutions & Services



 **+1GW Credentials established worldwide**

**Dealership Enquiries Solicited**



For Business enquiries, please contact:

**Oorja On Move Infra Pvt Ltd**

Unit no 1067, Tower B1, Spaze IT park, Sohna Road, Gurgaon Haryana (122002)

T: +91 124-4201742, +91 95993 38160 [pa@oom.co.in](mailto:pa@oom.co.in), [marketing2@oom.co.in](mailto:marketing2@oom.co.in), [www.oom.co.in](http://www.oom.co.in)

Customer care : +91 124-4003009

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