



Gen **Next** Technology

# Yellow Lemon

Smart Lithium Battery Charger  
Powering the Future





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# EV BATTERY CHARGERS

## Yellow Lemon PE1 Series Charger

### Output Voltage

6V to 15V

### Output Current

1 Amp. Max

### Max. Wattage

15 W



## Yellow Lemon EA7 Series Charger

### Output Voltage

30V to 48V

### Output Current

2 Amp. Max

### Max. Wattage

85 W



## Yellow Lemon EB8 Series Charger

### Output Voltage

24V to 74V

### Output Current

6 Amp. Max

### Max. Wattage

350 W



## Yellow Lemon EB9 Series Charger

### Output Voltage

48V to 74V

### Output Current

20 Amp. Max

### Max. Wattage

1200 W



## Yellow Lemon ECA Series Charger

### Output Voltage

48V to 74V

### Output Current

20 Amp. Max

### Max. Wattage

1500 W



## Specifications

### Input Voltage

230 V AC, 50Hz

### Battery Supported Type

Lead Acid / Li-ion / LiFePO4

### Charging Operating Temp

10°C to 50°C

### Mains Lead Type

Two / Three Cores with 2 / 3 Pins Plug as per model.

### DC Lead

Two Cores, Copper Conductors Customizable Output Connector

### Cabinet

ABS / Aluminium Extrusion

### Protection

Surge, Short Circuit, Reverse Polarity, Over Load

### Indicators

Power ON, Battery Charging Status, Battery Full Charge, Optional Battery Charging Percentage

### Special Feature

Natural / Forced Cooling

### Optional Features

CAN Compatible, Electric Shock Preventer



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# DC TO DC CONVERTERS

## Yellow Lemon DC To DC Converter 1205

### Input Voltage

24 V DC

### Output Voltage

12V  $\pm$  0.5V

### Max. Current

5 Amp



## Yellow Lemon DC To DC Converter 1210

### Input Voltage

36/ 48/ 60/ 72 V DC

### Output Voltage

12V  $\pm$  0.5V

### Max. Current

10 Amp.



## Yellow Lemon DC To DC Converter 1215

### Input Voltage

36/ 48/ 60/ 72 V DC

### Output Voltage

12V  $\pm$  0.5V

### Max. Current

15 Amp.



## Yellow Lemon DC To DC Converter 1220

### Input Voltage

36/ 48/ 60/ 72 V DC

### Output Voltage

12V  $\pm$  0.5V

### Max. Current

20 Amp.



## Specifications

### Efficiency

>85% Typical at Full Load

### Load Regulation

$\pm$ 5%

### Operating Ambient Temp

-20 C to +60 C

### Output Short Circuit

Protected

### Isolation

Non-Isolated

### Insulation

IP64

Inspiring by Government's Make in India initiative to produce & promote Indian made products, the complete designing of the circuit & its Software is done in-house keeping in mind all the climatic, environmental & terrain condition prevailing here.





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# MOTOR CONTROLLERS

## Brushless DC Motor Controller MC250

### Input Voltage

24 V DC

### Current

20 Amp. Max



## Brushless DC Motor Controller MC500/ 800/ 1000/ 1500

### Input Voltage

48/ 60/ 75 V DC

### Current

35 Amp. Max



## Product Durability

Yellow Lemon products provide precise power management, ensure reliable functionality, efficient energy use for electric vehicles for smooth, responsive ride for enhanced riding experience.

Manufactured By:  
Sensations Systems



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**Distt.:** Gautam Budh Nagar, Uttar Pradesh (INDIA)

## Specifications

### Suitable Battery Type

Lead Acid/ SMF/ Li-ion / Li FePO4

### Input Voltage

24/ 25.5/ 48/ 60/ 75V DC

### Cabinet/ Casing

Aluminium Extrusion

### Power Rating nominal

250/ 500/ 800/ 1000/ 1500 W

### Motor Compatibility

Hub/ BLDC-60°/ BLDC-120°

## Features

Ignition ON/ OFF

Reverse/ Forward

Accelerator/Throttle

Hall Sensor

Electronic Break Functions