

# IDEV Automotive Private Limited

Welcome to IDEVA (Innovative Design EV Automotive), founded in 2023, where we are transforming urban mobility with our cutting-edge electric vehicle components. Specializing in 2 and 3-wheeler applications, we are committed to sustainability, performance and innovation. Together, let's pave the way for a cleaner, greener tomorrow.



## About Us

IDEVA is a forward-thinking EV R&D OEM startup shaping the future of electric mobility. Our team of experts are committed to revolutionizing the industry by developing Advanced EV technology that sets new standards for performance and sustainability.



## Vision



Our vision for 2030: to stand at the forefront of the electric vehicle OEM market, delivering groundbreaking solutions that are both reliable and sustainable.



## Mission

Driving sustainable transformation in EV components.

# Our Services

## R&D

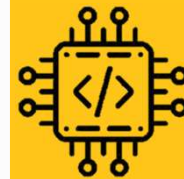
**Power electronics R&D:** We develop Pioneering solutions for power management, motor control, battery management, and charging systems tailored to your EV applications.

**Embedded system R&D:** Our expertise in embedded systems ensures seamless integration of hardware and software, enhancing the performance and reliability of your EV components.



## Product Manufacturing

**Product Manufacturing:** From prototype to production, we offer end-to-end manufacturing solutions, leveraging our state-of-the-art facilities and industry-leading practices.



## Consultancy services

Our team of experienced professionals provides strategic guidance and technical expertise to help you navigate the complexities of EV technology, ensuring optimal performance and efficiency.



## Product List

We develop Innovative solutions for power management, motor control, battery management, Vehicle control unit, Body Control Unit, Instrument Cluster Unit, and charging systems tailored to your EV applications.

**Pipelined products are Artificial Intelligence-controlled DC-DC Converters, Chargers, Battery Management Systems and Battery Packs.**

Partner with us to accelerate your EV innovations and drive towards a sustainable future.

## Chargers with Different Specifications

Chargers are available in different specifications for 2, 3-Wheeler, and Battery Chemistry like Li-ion and Lead – acid Batteries

AC Input			DC Output		Environmental	Mechanical	
voltage range	Nominal voltage	Frequency	Nominal Voltage	Maximum current	Operating temperature	Dimensions	Weight
170-275VAC	230VAC	47-60Hz	48V	6A	0°C to +50°C	Variable up to L-265mm W-150mm H-81mm (Depending on Power Rating)	1.5kg to 3Kg (Depending on Power Rating)
				10A			
				18A			
				25A			
			60V	6A			
				10A			
				22A			
				30A			

We also designs the tailor-made Chargers to fulfill the client requirements

## DC-DC Converters with Different Specifications

Power Rating	Input Voltage	Output Voltage	Nominal Voltage	Continues Output current	Efficiency	Operating Temperature
80W	36-60 VDC	13.2V $\pm$ 0.5V	48 VDC	6A	>95%	0°C to +50°C
120W	36-60 VDC	13.2V $\pm$ 0.5V		10A	>95%	0°C to +50°C
280W	36-60 VDC	13.2V $\pm$ 0.5V		10A	>95%	0°C to +50°C
400W	36-60 VDC	14.2V $\pm$ 0.5V		28.5A	>95%	-20°C to +50°C

We also designs the tailor-made DC-DC Converters to fulfill the client requirements

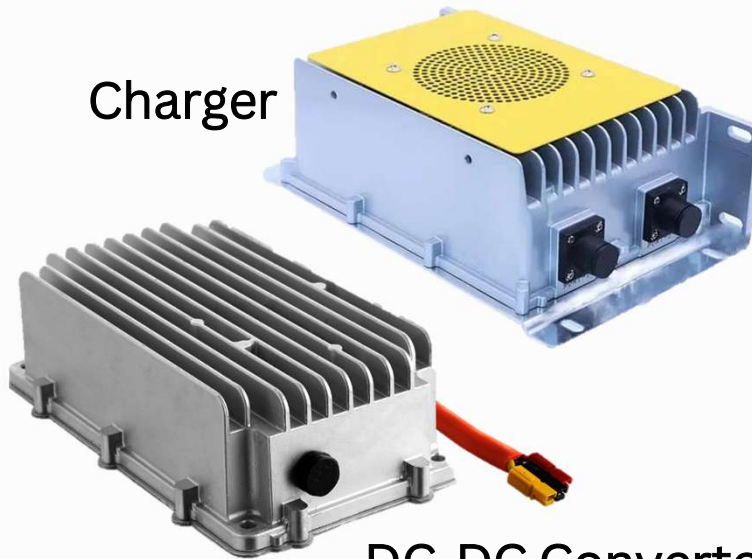
# Ideva's USP

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- ❖ AI powered Solutions.
- ❖ Customizable Solutions through In-House Technology. Development Price competitive.
- ❖ Competitive Pricing Without Compromising Quality.
- ❖ Vehicle OEMs can directly benefit from government incentives by choosing our indigenized products.

## IDEVA Products

Charger



DC-DC Converter

## Contact us



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## Key Attributes



IP67 Design



CAN  
Communication



Bump and  
vibration resistant



Over temperature  
protection



Low power  
consumption



Battery reverse  
protection



Over Voltage  
protection



Short Circuit  
protection



High power  
Design



IP65 Design