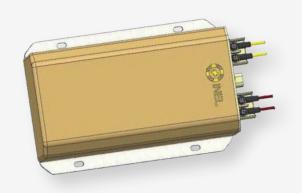


DC DC Converter

(Isolated)



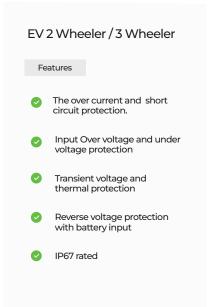
Product Outline

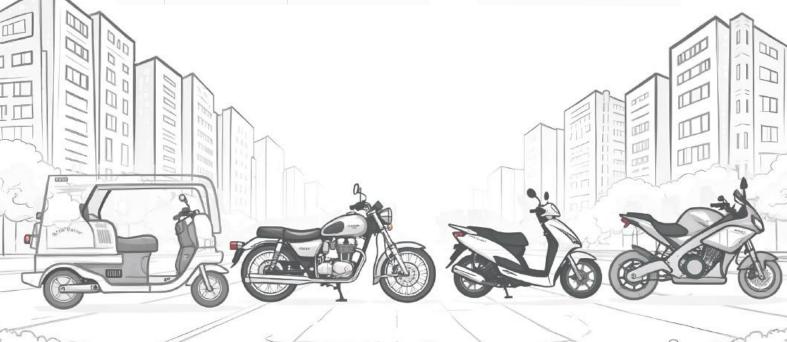
A DC-DC isolated converter transforms DC voltage levels while electrically isolating the input from the output, ensuring safety and preventing interference. Widely used in industrial, automotive, and renewable energy systems, it delivers efficient and reliable power transfer in demanding environments.

Specifications

SI. No	Specification	Buck	
1	Туре	Isolated	
2	Input Voltage Range	70V to 150V	
3	Output Voltage 12V, 14V (Tolerance: ± 0.		
4	Output Current	10A/25A	
5	Ripple voltage	< 1% of rated voltage	
6	Voltage regulation	<2% of rated voltage	
7	Efficiency	>90%	
8	Operating Temp.	-30°C to +80 °C	

Application







LED Digital Instrument Cluster



Product Outline

The LED Digital Instrument Cluster is a compact, energy-efficient display that provides essential ride data such as speed, odometer, and battery status. Its vivid LED interface ensures high visibility in all lighting conditions, including bright sunlight. Designed for durability and quick response, it integrates seamlessly with vehicle controls for a modern riding experience.

General Specifications

SI. No	Parameters	Required Specification	
1	Rated Voltage	ed Voltage 12V DC	
2	Operating Voltage Range 8 to 18 V DC		
3	Operating Temperature	-30°C to +85°C	
4	Storage Temperature	e -40°C to +90°C	
5	LCD type	Segmental type -TN Positive	
6	Speedo range	0-199 Km/h	
7	CAN communication	Yes	

Features

Basic Features				
Speedomete	through LED's			
Fuel Bar grap	h in LCD			
Odometer in	LCD			
LED warning	LED warning indicators			
Add on features				
	ent color change based on vehicle speed. ber, Economy- Green and High – Red)			
Blue tooth for	TPMS, Vehicle management through			
Integration th	rough mobile.			
Tilt sensor				
Ambient light	sensor for brightness control			
Buzzer for hig	h speed.			
Logo display i	n LCD.			
-				

	Speedo meter representation during vehicle off condition	Speedo meter when vehicle is in normal speed mode	Speedo meter when vehicle is in Economy mode	Speedo meter when vehicle is in high speed mode
Vehicle speed	Switch off condition	Example 0-30 Km/hr & 51-80 Km/hr	Example 31-50 Km/hr	Example 81-199 Km/hr
Artwork representation	ands.	in/h	50	I Anch