



Electric Vehicle Training System is an ideal platform to enhance the knowledge about electric vehicles. This product is useful in all electrical and electric vehicle laboratories to provide comprehensive learning of concepts and functioning of two wheeler based Electric Vehicles (EV). It is designed in such a way that-students can explore about different sections of two wheeler EV and can operate it to learn its functioning.

Features:

- Real time and interactive training setup for Electrical Vehicle.
- Operational block diagram of E-Vehicle for better understanding
- Built-in Lithium Ion battery
- Equipped with RPM meter with proximity sensor
- Study of Hall sensors of BLDC Motor.
- Microcontroller based digital meter for better accuracy
- Equipped with battery charge indicator
- Supplied with Battery Charger of suitable rating
- Powder coated mechanical structure.
- Motor with mechanical loading arrangement

Technical Specifications:

BLDC Motor

- Type of Motor : Hub motor

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com



Order Code –23247006.1
Electric Vehicle Training
System (without software)

- Rated Voltage : 36V
- Power : 250W
- RPM : 200 RPM approx. (on full load)
- Rated Current : 6.5A

Battery

- Type of battery : Li-ion battery
- Capacity : 10 AH
- Voltage : 36V

BLDC Motor Controller

- Rated Voltage : 36V
- Power output : 250W

Digital Meters

- AC Voltmeter : 500V
- AC Ammeter : 10A
- DC Voltmeter : 300V
- DC Ammeter : 10A
- RPM meter : read upto 500RPM
- Battery Charge Indicator : 36V, 2A
- Key switch : 1No
- Head light : 1No
- Tail light : 1No
- Battery level indicator : 1No

Scope of Learning

- Study of flowchart using to prepare Electrical Vehicle.
- Study of working of BLDC hub (out-runner) motor and Hall sensor.
- Study of speed control of BLDC Hub (out-runner) motor using PWM method
- Study of load test of BLDC Hub motor

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com