

## EV Charging Infrastructure – A Drift to the Future

TransmogriFY, a company focused on providing upgraded EV chargers with enhanced features and easy accessibility. The company emphasizes the impact of choosing EVs for a better future and aims to contribute to the growth of society by promoting sustainable energy solutions.



### ABOUT US:

In the time of technological transition Transmogrify can provide simple, more effective EV charging solution. We provide upgraded version of EV charger with enhancing features and easy accessibility. We are emphasizing on the impact of choosing EV to lead a better life for the next generation. We are developing new intellectual ideas and transformations to bring versatility in EV charging station facilities to contribute to the EV users and sort out the misconceptions regarding issues of EV chargers.

### MISSION:

Promoting the adoption of green technology and contributing to the growth of society by providing sustainable energy solutions. Also, it aspires to play an instrumental role in reducing pollution in the country by encouraging the use of Electric Vehicles.

### VISION:

A good time to think beyond proof-of-concept solution and to make intelligent choices for the next generation electric drive technologies that gives electricity its rightful place in transportation market.

*"The era of global warming has ended. The era of global boiling has arrived."*

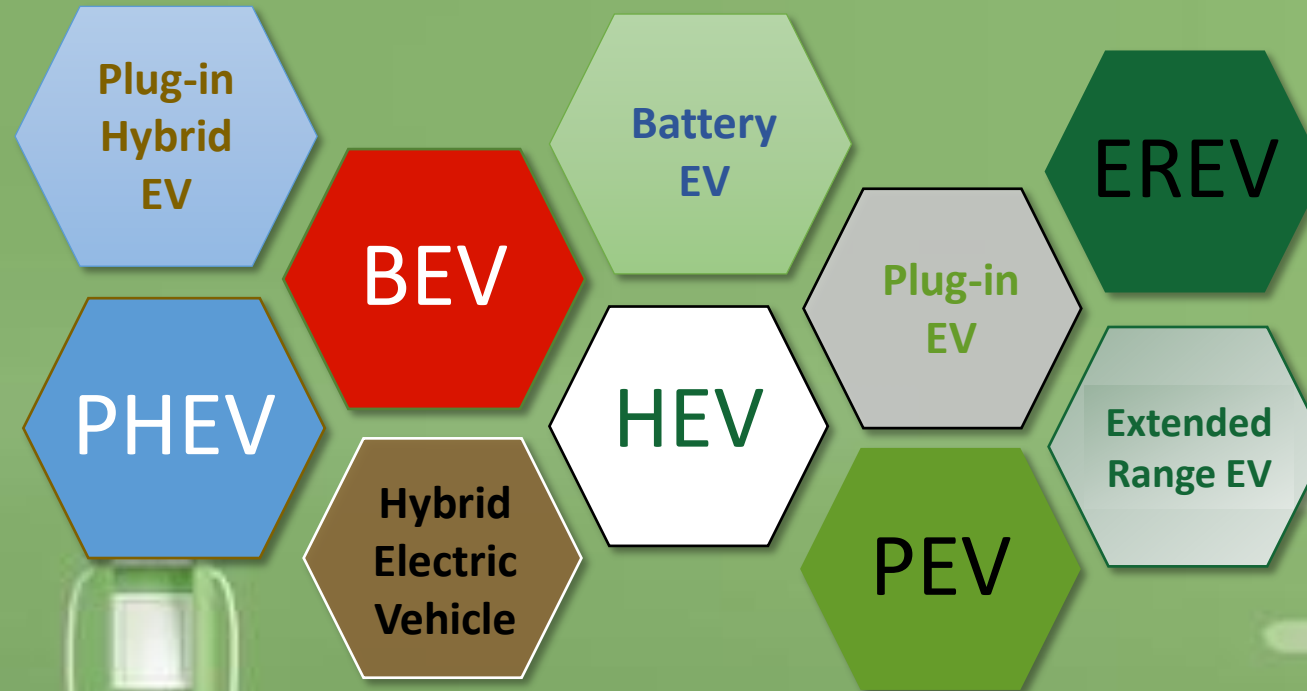


✓TRANSPORTATION IS THE LARGEST SOURCE OF GLOBAL WARMING EMISSIONS. ELECTRIC VEHICLES (EVS) CAN ELIMINATE TAILPIPE EMISSIONS ALTOGETHER AND ARE ALSO MORE EFFICIENT THAN GASOLINE VEHICLES MAKING EVS AN IMPORTANT TECHNOLOGY FOR REDUCING BOTH GLOBAL-WARMING AND **HARMFUL AIR POLLUTION FROM PERSONAL TRANSPORTATION.**

✓IN ADDITION, THE GROWING PRICE OF FOSSIL FUELS IS COMPELLING INDIAN COMMUTERS TO OPT FOR AN ALTERNATIVE FUEL, I.E., ELECTRIC. JUST ONE ELECTRIC CAR ON THE ROADS CAN SAVE AN AVERAGE OF 1.5 MILLION GRAMS OF CO<sub>2</sub>. THIS MAKES THE AIR CLEANER, REDUCES NOISE POLLUTION, AND CREATES A GREENER TOMORROW FOR EVERYONE. INDIA IS ON THE CUSP OF A TRANSITION TO A GREENER FUTURE AND THE GOVERNMENT IS WORKING TOWARDS A SUSTAINABLE INFRASTRUCTURE SO THE INDIAN EV MARKET CAN BECOME AS BIG AS USD 30 BILLION IN THE NEXT 10 YEARS.

✓THE CHARGING ECOSYSTEM IS THE BACKBONE OF ANY ELECTRIC VEHICLE. ADVANCEMENTS IN BATTERY TECHNOLOGY AND LITHIUM-ION BATTERY PRICE REDUCTIONS ARE EXPECTED TO SHAPE THE FUTURE FOR EVS OVER THE PROJECTED PERIOD. BETTER BATTERIES WITH HIGHER OUTPUT CAPACITIES, NEW CHEMISTRIES TO MAKE IT SAFER AND ELIMINATE RANGE ANXIETY, SUPERIOR DRIVE-TRAIN FOR BETTER PICK-UP POWER AND DURABILITY, ETC. ARE JUST SOME OF THE EXCITING ADVANCES TO EXPECT.

What kind of EV is right for me?





## BEV: Battery Electric Vehicles

Simple, low  
maintenance  
Electric Motor

BEV

PEV



Tata Nexon



Tata Tigor



Hyundai Kona



Mahindra Verito



## PHEV: Plug-in Hybrid Electric Vehicles

PHEV

EREV

PEV

Many  
Choices  
of  
Vehicles

Long  
Driving  
Range

Versatile  
Fuel  
Source

Chevy Volt



Honda Clarity  
PHEV



Toyota Prius Prime



# Getting Charged!



## AC CHARGERS

### LEVEL-1

VOLTAGE:  
120V 1-  
PHASE AC

CURRENT:  
12-16 AMP

CHARGING  
LOAD:  
1.4-1.9KW



### LEVEL-2

VOLTAGE:  
208-240V  
1-PHASE  
AC

CURRENT:  
16-32 AMP

CHARGING  
LOAD:  
2.5-19.2KW  
(TYP7.4KW)



### LEVEL-3

VOLTAGE  
:208-480V  
3-PHASE  
AC

CURRENT  
:32AMPS

CHARGING  
LOAD:  
22KW



## DC CHARGERS

### TERRA 24

VOLTAGE:  
400V 3-  
PHASE AC

CURRENT:  
100 AMPS

CHARGING  
LOAD:  
24 KW



### TERRA 54

VOLTAGE:  
400V 3-  
PHASE AC

CURRENT:  
80 AMPS

CHARGING  
LOAD:  
50KW



### TERRA 360

VOLTAGE  
: 400V 3-  
PHASE AC




CURRENT  
:560AMPS

CHARGING  
LOAD: 306  
kW







AC Level 1*	AC Level 2*	DC Fast Charger*
		
<b>Basic home installation</b> (Mode 1 or Mode 2)**	<b>Home and public installation</b> (Mode 3)**	<b>Public and commercial installation</b> (Mode 4)**
<b>Voltage</b> 120 V AC, 1-phase 250 V AC, 1-phase 480 V AC, 3-phase	<b>Voltage</b> 208 V–240 V AC, 1-phase 250 V AC, 1-phase 480 V AC, 3-phase	<b>Voltage</b> 380 V–600 V AC, 3-phase
<b>Current rating</b> 12 A–16 A (32 A for 3-phase)	<b>Current rating</b> 12 A–80 A	<b>Current rating</b> DC output (up to 400 A)
<b>Charging time</b> 8–12 hours***	<b>Charging time</b> 4–6 hours***	<b>Charging time</b> 15–30 mins***

THE EV CHARGERS ARE PROVIDED WITH BUILT-IN SAFETY DEVICES TO STANDALONE WITH THE TECHNICAL FAULTS.

THE SAFETY DEVICES COMPLIANCE:

## RESIDUAL CURRENT OPERATED CIRCUIT BREAKER (RCBO): RCD + MCB SPECIFICATIONS:

- 40 A FOR A 32 AMPS RATED EVSE
- 20A FOR A 16 AMPS RATED EVSE

### FUNCTIONS:

- OVERCURRENT PROTECTION
- OVERVOLTAGE PROTECTION
- LEAKAGE CURRENT PROTECTION

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### ABB TERRA AC CHARGER 7.4KW

- IEC standards compliant.
- Single phase up to 7.4 kW / 32 A.
- Protections: Over Current, Over Voltage, under Voltage, Earth Fault (Including DC Leakage Protection), Integrated surge protection.
- Protection Degree: IP54, IK10.
- Connectivity: Mobile Communication with Nano Sim Socket, Wi-Fi, Ethernet (RJ45), Bluetooth, 4G/3G.
- User Interface: RFID Card Or App.
- Connectors: Type 2.

<https://transmogrifyglobal.com/>



### ABB TERRA AC CHARGER 22KW

- IEC standards compliant.
- Three phase up to 22 kW / 32 A.
- Protections: Over Current, Over Voltage, under Voltage, Earth Fault (Including DC Leakage Protection), Integrated surge protection.
- Protection Degree: IP54, IK10.
- Connectivity: Mobile Communication with Nano Sim Socket, Wi-Fi, Ethernet (RJ45), Bluetooth, 4G/3G.
- User Interface: RFID Card Or App.
- Connectors: Type 2.

<https://transev.in>

## Our Products



- IEC standards compliant.
- Three phase up to 30kW/60A DC.
- Protections: Over Current, Over Voltage, under Voltage, Earth Fault (Including DC Leakage Protection), Integrated surge protection, Emergency Stop Button.
- Protection Degree: IP54, IK10.
- Display: 7-inch LCD Touch Screen
- Connectivity: Modem, Ethernet, GSM, 4G/Wi-Fi
- User Interface: RFID Card Or App.
- Connectors: CCS 2.



- IEC standards compliant.
- Three phase up to 24 kW / 60 A DC.
- Protections: Over Current, Over Voltage, under Voltage, Earth Fault (Including DC Leakage Protection), Integrated surge protection, Emergency Stop Button.
- Protection Degree: IP54, IK10.
- Display: 7-inch LCD Touch Screen
- Connectivity: Modem, Ethernet, GSM, 4G/Wi-Fi
- User Interface: RFID Card Or App.
- Connectors: CCS 2.





- IEC standards compliant.
- Three phase up to 150 kW
- Protections: Over Current, Over Voltage, under Voltage, Earth Fault (Including DC Leakage Protection), Integrated surge protection, Emergency Stop Button.
- Protection Degree: IP54, IK10.
- Display: 7-inch LCD Touch Screen
- Connectivity: Modem, Ethernet, GSM, 4G/Wi-Fi
- User Interface: RFID Card Or App.
- Connectors: CCS 2.



- Two-Wheeler 3.3 kW (industrial socket)
- Capacity – 3.3KW AC / 15 A (max)  
Input AC 1 Phase 230V  
Output AC 1 Socket @ 230V / 15A
  - Connector – Industrial Socket as per IEC 60309







STRONG TECHNICAL TEAM TO  
TROUBLESHOOT AND BRING OUT OF THE  
BOX SOLUTIONS

CONTINUOUSLY UPGRADING INTO  
CLIENTS' SPECIFIC SOLUTION PACKAGES

GUIDED BY A DYNAMIC AND VISIONARY  
LEADERSHIP TO MEET CLIENT DEMANDS



How Can You Get Benefit  
from Us?

WORLD CLASS EV PRODUCTS FROM  
INTERNATIONAL COMPANY

BRINGING CUTTING- EDGE TECHNOLOGY  
TO AFFORDABILITY

WE PROVIDE END TO END SOFTWARE  
SOLUTION CAPABLE OF TACKLING COMPLEX  
AND FAST-TRACK PROJECTS EASILY

- ✓ We offer EV Charging station complete Business solutions.
- ✓ Deliver Engineering, Procurements and Installation solution.
- ✓ Deliver world class AC & DC EV Charger.
- ✓ Deliver associated items like required MCB/RCBO, Installation frames etc.
- ✓ Assist Software solution (Charge point management software).
- ✓ Annual Maintenance and servicing.
- ✓ Profit sharing and Monthly rental business models.

Experience the convenience of fast charging stops for your electric vehicle! Our partnership with office campuses, restaurants, retail shopping centers, hotels, fuel stations, cinema halls, parking lot operators, and other stakeholders ensures you can take a break for coffee, food, and shopping while your EV charges. The typical charging time of 20 to 60 minutes gives you the perfect opportunity to relax and enjoy your journey. Drive electric and make your trips unique and enjoyable!

Welcome to our location partners program, where your business premises will be the top choice for electric car owners! We'll take care of installing EV chargers in your customer car parks at absolutely no cost to you. Additionally, you have the exciting option to become our Franchise by investing in the charging infrastructure on your premises.

By joining us, you'll attract countless travelers looking for a quick EV charge, turning them into your loyal customers. Don't miss this opportunity to stand out and be a unique destination for electric vehicle enthusiasts! Let's make the switch to electric driving even more rewarding and convenient together.



## HOME

Get a charging station for my home



## WORKPLACE

Get charging stations for staffs and visitors



## FLEET

Electrify your fleet with our smart Charging Solutions



## RETAILS

Attract EV owners with chargers in your premisses



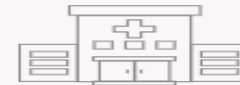
## ENTERTAINMENT

Get a charging station for the visitors



## HOTEL

Get a charging station for the visitors and guests



## HEALTHCARES

Get a charging station for the patients and their family



## NEW CONSTRUCTION

Get a charging station for the visitors and land owners



## EDUCATION



## RESTAURENT



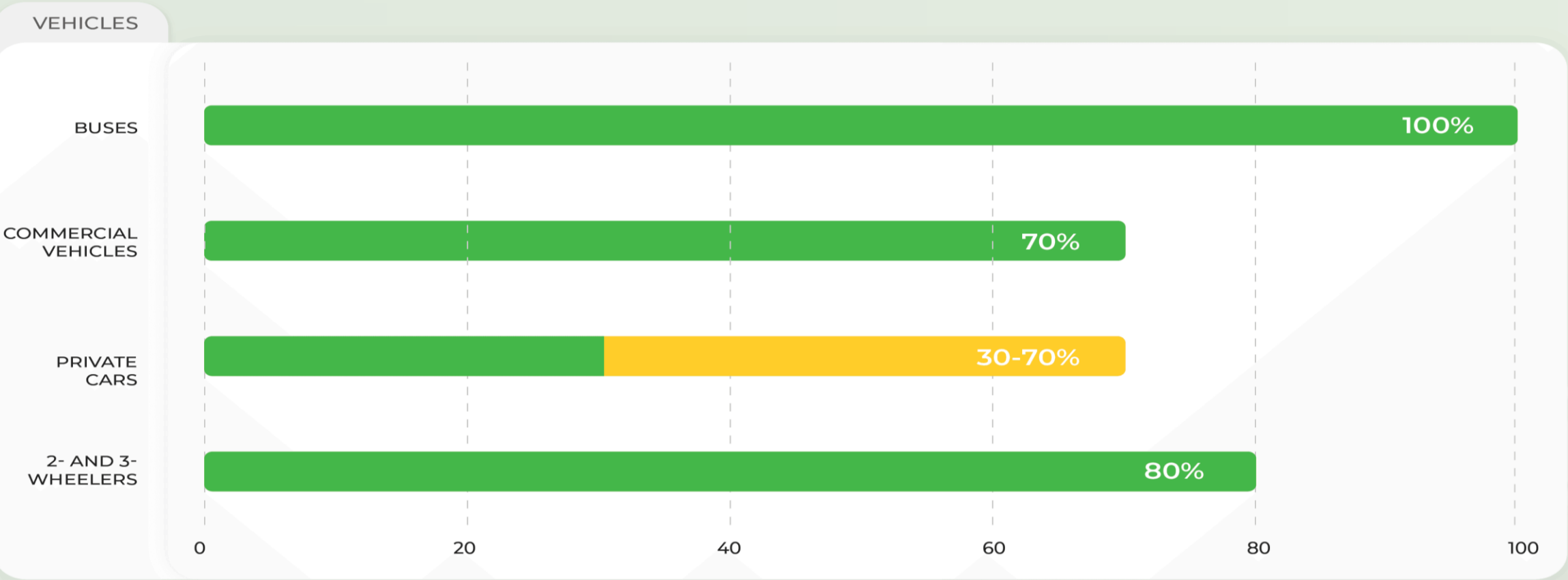
## PARCKING OPERATORS



## STADIUM



Target EV to Standard Car Mix: India | 2030



connect  
us



Transmogrify

Unit No.-10ES6, Mani Casadona,

Landmark: - Opposite Eco Space Business Park

Action Area -IIF, New Town, Kolkata-700156, West Bengal, India

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TRANSMOGRIFY

TransEV



TRANSEV



**ELECTRIC VEHICLE CHARGING SOLUTION**

**"THE FUTURE TOWARDS ECO-FRIENDLY TECHNOLOGY"**

