

## Electric Vehicle Charging Cables and Sockets

### Own Brand EV Cables



BRANDED PLUGS



BRANDED carry case



Customise our Electric Vehicle Charging Products to suit your companies' brand, choose specific colours and apply your company's logo.

- Custom Cable Colour
- Custom Cable Length
- Custom Plug Colour
- Bespoke Carry Case
- RAL/Pantone Colour Matching

We supply EV Charging Cables to a variety of leading car manufacturers and charging network providers.

**This service is only available on bulk orders, not on purchases of single charging cables.**

**Multiple colour options for cable and connector leads.**



### Standard Plus Type 2 to Type 2 32A 1Phase & 3Phase EV Charging Cable

#### Specification

- 32 Amp Single Phase at 7.2kw & 3 Phase at 22kw
- Operating Voltage Single Phase 240V & 3 Phase 480V
- Type 2 to Type 2 IEC 62196-2 Mode 3
- DEKRA EN 506205 TPU 5 meter Strong Durable Black Cable
- High Quality Non-Flammable Plugs, Class V-0 (highest standard)
- Mechanical life no-load insertion : 10000 times
- Withstand Voltage:2000V
- Robust Superior Sealed IP67 IP Rating
- Operating Temperature -30C to + 60C
- Two Year Warranty
- CE & SGS Approved
- Suitable for Outdoor and Indoor Charging



#### WELLTEK

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## Type 2 to Type 2 Plugs 16A 1Phase & 3Phase EV Charging Cable



### Specification

- 3Kw Single Phase / 11kw 3 Phase
- 16 Amp
- Choice of Cable Length
- Two Year Warranty
- High Quality Non Flammable Plugs, Class V-0 (highest standard)
- Robust Design
- Superior Water Resistance due to Sealed Plugs (Resin Fill)
- Thermal Management
- Flexible Cable Strain Relief
- High Viz Orange or Black TPE Cable
- CE & SGS Approved
- Suitable for Outdoor and Indoor Charging
- 2 Year Warranty
- IEC 62196-2 Type 2 Mode 3

## Type 2 to Type 2 32A 1Phase & 3Phase EV Charging Cable

### Specification

- 7.4kw Single Phase / 22kw 3Phase
- 32A
- Choice of Cable Length
- Two Year Warranty
- High Quality Non Flammable Plugs, Class V-0 (highest standard)
- Robust Design
- Superior Water Resistance due to Sealed Plugs (Resin Fill)
- Thermal Management
- Flexible Cable Strain Relief
- High Viz Orange or Black TPE Cable
- CE & SGS Approved
- 2 Year Warranty
- IEC 62196-2 Type 2 Mode 3



## Type 1 to Type 2 16A Premium EV Charging Cable

### Specification

- 3.7kw Single Phase
- 16amp
- Choice of Cable Length
- Two Year Warranty
- High Quality Non Flammable Plugs, Class V-0 (highest standard)
- Robust Design
- Superior Water Resistance due to Sealed Plugs (Resin Fill)
- Thermal Management
- Flexible Cable Strain Relief
- High Viz Orange or Black TPU Cable
- CE, UL & SGS Approved
- Suitable for Outdoor and Indoor Charging
- 2 Year Warranty
- IEC Type 1 / SAE J1772-IEC 62196-2



Type 1 to Type 2 16A Premium EV Charging Cable

Type 1 to Type 2 16A Premium EV Charging Cable

## 62196-2 EV Charging Plug



### Type

1. 32A Female
2. 32A Female Plug 3 Phase
3. 32A Male
4. 16A Male
5. 16A Female
6. 16A Female Plug 3 Phase

### Specification

- IP44 Rated Ergonomic Pistol Grip Style
- Impact Resistant 'Run Over' Proof
- 10,000 Mating Cycles
- Cable Strain Relief Feature Insulated Terminal Design
- 16amp Cable 3G2.5 + 2 x 0.5mm
- High Viz Orange Or Black Cable
- Custom Options on Cable Length and Colour
- CE & TUV Approved

# WELLTEK

## Electrical Vehicle charging Solution

- **AC Charger**
- **Fast Charging (DC)**
- **Ultra-Fast Charging (DC)**

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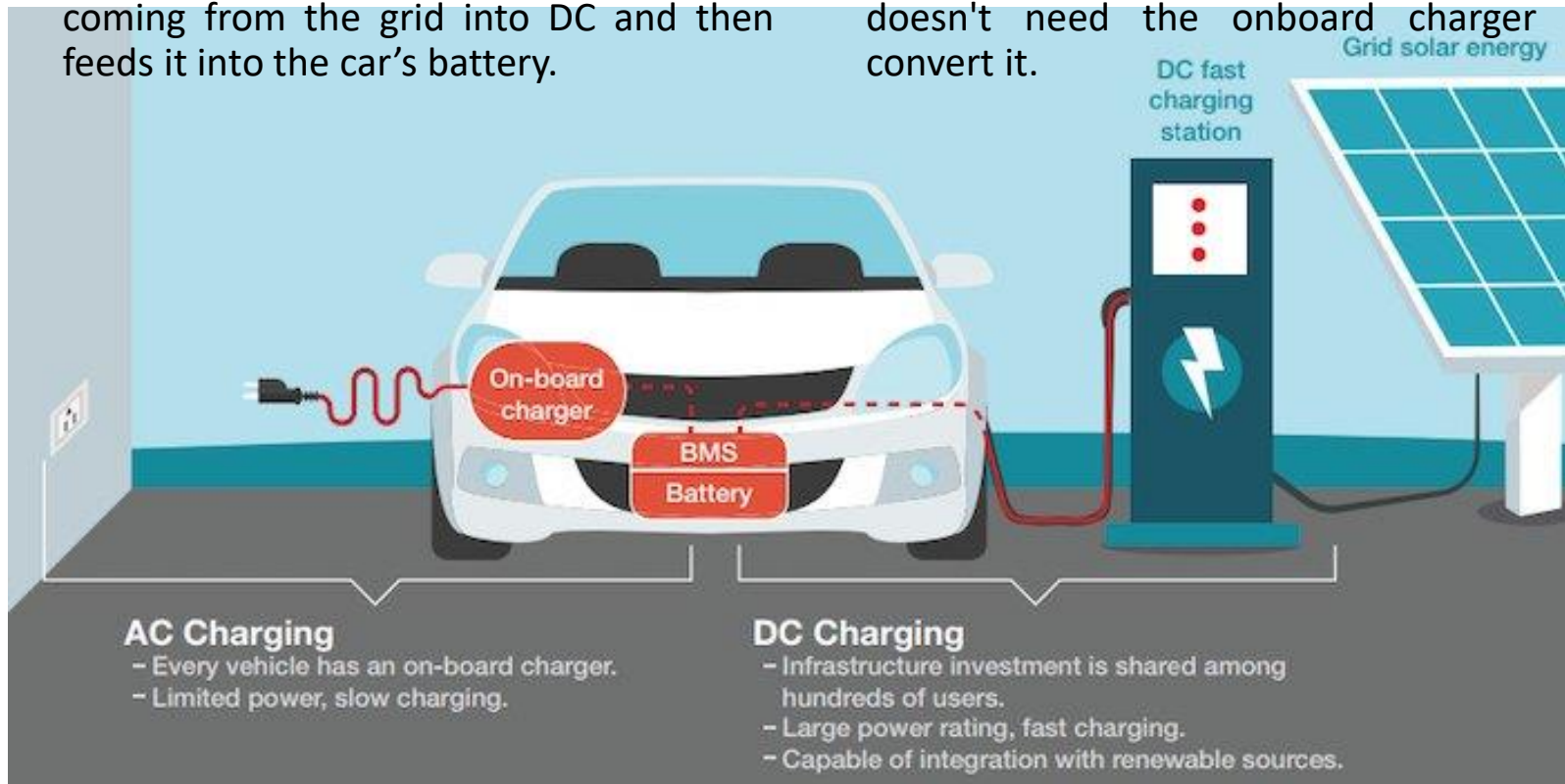
# Charger Type





## AC Charger

- An AC charger has the converter built inside the car, known as the “onboard charger”. It converts the AC Power coming from the grid into DC and then feeds it into the car’s battery.

## DC Charger

- A DC charger has the converter inside the charger itself. That means it can feed power directly to the car’s battery and doesn’t need the onboard charger to convert it.



|   | <b>Level 1<br/>(AC)</b>  | <b>Level 2<br/>(AC)</b>                | <b>Fast<br/>Charging (DC)</b>     | <b>Ultra-Fast<br/>Charging (DC)</b> |
|---|--------------------------|--|-----------------------------------|-------------------------------------|
|    | 2.4 - 3.7 kW             | 7 - 22 kW                              | 50 kW                             | 150 - 350 kW                        |
|    | 5 - 16 hrs               | 1 - 5 hrs                              | 20 - 60 mins                      | 10 - 40 mins                        |
|    | 10-20 km<br>range per hr | 30-120 km<br>range per hr              | 250-500 km<br>range per hr        | 1000+ km<br>range per hr            |
|  | Residential              | Residential,<br>Workplace,<br>Carparks | Metro, Destination,<br>Commercial | Highway,<br>Commercial Logistics    |

# EV Charger Price

| Charging Vehicle Type | Battery Size | Slow Charger Type | Fast Charger Type |
|-----------------------|--------------|-------------------|-------------------|
| 2 Wheeler             | 1-3 kWh      | 0.25-1 kW         | 2-3.3 kW          |
| 3 Wheeler             | 3-7 kWh      | 0.5-1 kW          | 2-3.3 kW          |
| 4 Wheeler             | 15-80 kWh    | 3.3-7.4 kW        | 22-60 kW          |
| Buses                 | 100-400 kWh  | 7.4kW-22kW        | 80-350 kW         |

|                          | Capacity   | Price                              |
|--------------------------|------------|------------------------------------|
| Level 1 (AC)             | 2.4-3.7 kW | 60,000.00 -80,000.00 /- INR        |
| Level 2 (AC)             | 7-22 kW    | 85,000.00 – 150,000.00 /- INR      |
| Fast Charging (DC)       | 50-60 kW   | 1,200,000.00 – 1,700,000.00 /- INR |
| Ultra-Fast Charging (DC) | 100-350 kW | 1,800,000.00 /- Onwards            |

# AC Charger

## Features

- Compact & Rugged Design
- 3 Output Socket; Three Phase 3.3kW Per Output
- Safe, Reliable & The proof
- Authentication using App and RFID
- Compliance with Bharat AC 001 Standards

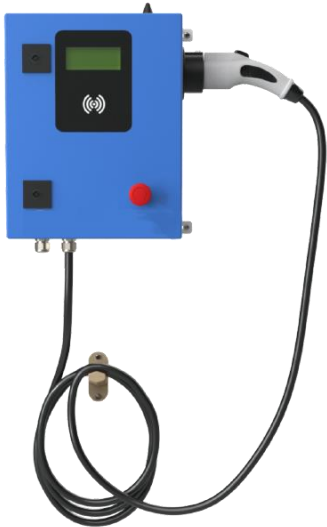


## Connectors

- Type 2 Cable and Plug
- Type 2 Socket with Shutter

## Design

- Single Phase and Three Phase 3.3 kW - 7.4 kW
- Three Phase up to 22 kW
- All variants IP54, Ik10

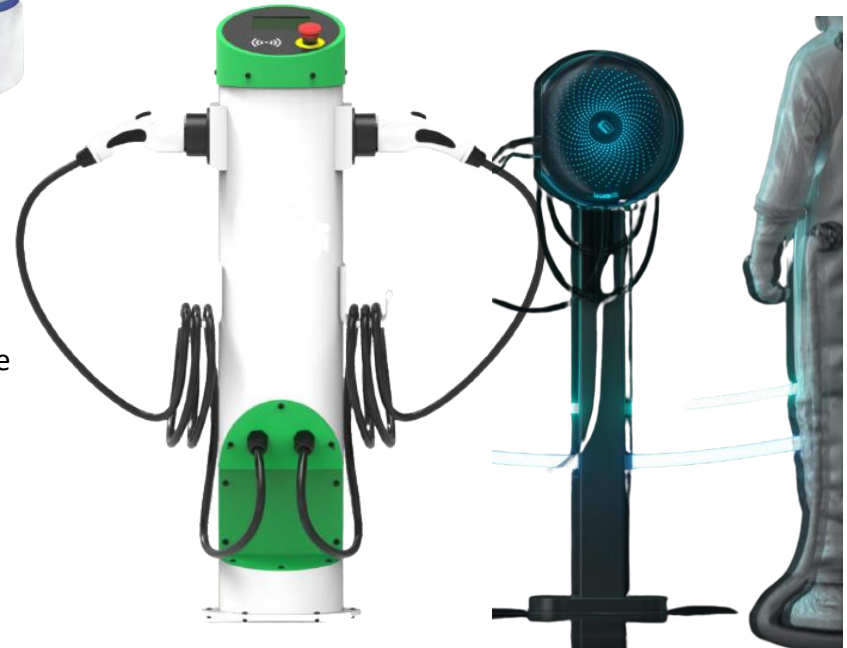


## Connectors

- Type 2 Cable and Plug
- Type 2 Socket with Shutter






## Design

- Single & Dual Output
- Single Phase and Three Phase 3.3 kW, 7.4 kW up to 22 kW
- All variants IP54, Ik10





# Fast Charging (DC)

|  |                       |   |
|--|-----------------------|---|
|  OUTPUT CHARACTERISTIC    | Output Voltage        | 150 – 1000 Vdc                              |
|  | Rated power           | 95% @half load                              |
|  | Max Current           | 488A@160kW System                           |
|  | Peak Efficiency       | > 96%                                       |
|  INPUT CHARACTERISTICS    | Input Voltage         | AC 400 ± 15% (3P+N+PE)                      |
|  | Frequency             | 50 / 60Hz                                   |
|  | Power Factor          | >0.99                                       |
|  | THDi                  | <5%   |
|  MECHANICAL DIMENSIONS    | Protection level      | IP55 / IK10                                 |
|  | Standard              | IEC 62196/IEC 61851/DIN 70121               |
|  | Size                  | 1000mm*700mm*2000mm                         |
|  | Communication         | OCPP1.6J                                    |
|  ENVIRONMENTAL CONDITIONS | Cooling method        | Forced air cooling                          |
|  | Operating temperature | -25 ~ 65 °C (Derating operation over 45 °C) |
|  | Humidity              | 5% – 95%                                    |
|  | Altitude              | <2000m                                      |
|  OTHERS                 | Certificate           | CE\ TUV                                     |

## Connector

Simultaneous Charging Connector for up to 2 Electrical Vehicles, With CCS & CHAdeMO



# Ultra-Fast Charging (DC)

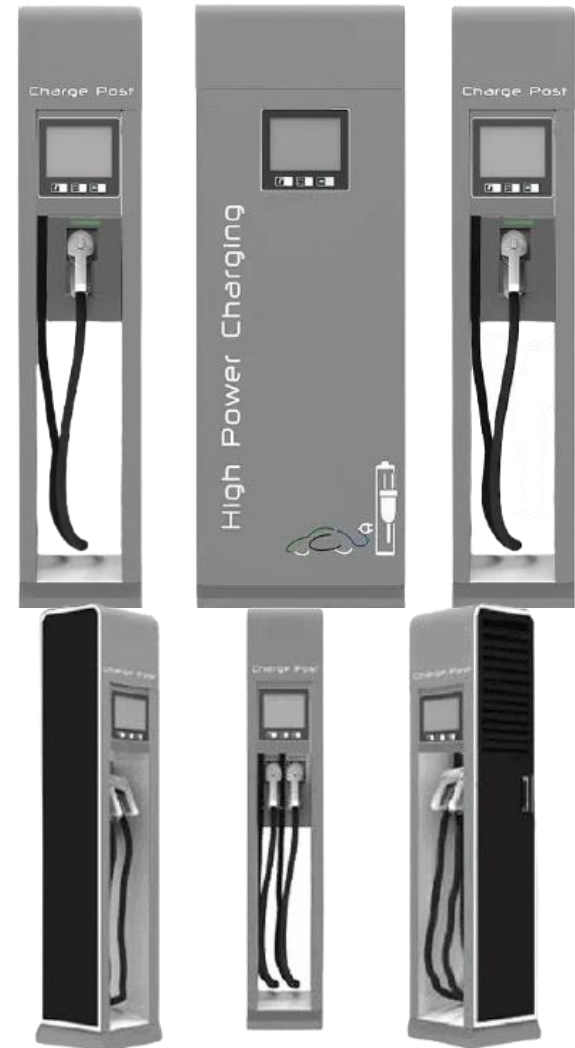
## Product description

High Power Ultra Fast Charging Station is a new and innovative solution to the growing demand for fast high current charging of next-generation electric vehicles (E-Bus and Luxury EVs). EV charger system adopts modular structure design and the most advanced ultra-fast charging technology. It consists of one power unit and 2 charge posts.

It's a Fast Charger to charge any CCS Compatible eBus or eVehicles with 350kw, 500A max.

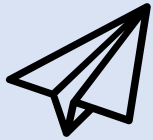
## Main features

- 350 kW DC fast charger supporting CCS2
- DC power up to 350 kW
- Wide voltage range: 150-1000V
- HPC Solution, Supports CCS connector up to 500A liquid-cooled cables
- Reliable, robust, modular hardware
- Simple, quick and easy installation
- Daylight readable touch screen display
- RFID authorization
- Low operational noise
- Customizable



# Contact

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