



Simplifying Mobility with Tech Innovations

Next-Gen EV charging solutions



Innovating & Transforming Smart Transportation Solutions

With an established footprint across segments and geographies, Servotech has taken up the challenge of Charging the Future of ElectroMobility, creating smart EV charging solutions by cooperating and understanding the unique needs of different stakeholders like utilities, fleet operators, cities, and end-users. Mileage from the most highly perfected and ready-to-implement e-mobility solution in the market, as Servotech enables you to leverage energy-efficient EV-charging systems brought together by a combination of quality research infrastructure, innovative approaches, skilled personnel, and high-performance components.

In its 2 decade-long journey, Servotech Power Systems Limited has emerged as a pioneer in developing intelligent lifestyle solutions by integrating technology and innovation. An NSE-listed company, Servotech is leading the charge in the end-to-end manufacturing, procurement, and distribution of a range of high-end yet customer-focused products which include solar offerings, medical devices, electric vehicle solutions, and smart lighting products.

Why EV Charging at your location?



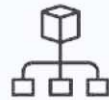
Increase in property value



Promote cleaner safer environment for better future



Meet sustainability goals



Increase your brand value



Meet the government mandates



Gain an edge over your competitors



SERVOTECH

Easy Compatible Chargers



2 Wheelers



3 Wheelers



4 Wheelers



Buses

AC vs DC Charging



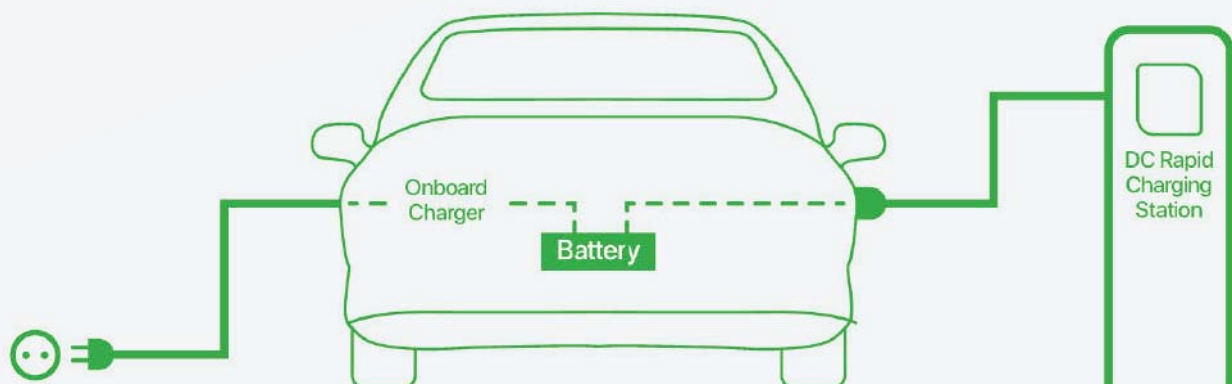
AC Charging

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.



Direct Charging

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.



Choose the suitable charger

Choose the best suitable charger according to your requirement

EV CHARGER TYPE					
Locations	AC001, 3.3kW to 7.2 kw	11 kW to 22 AC	15 kW to 30 kW DC	50/60 kW DC	100 kW to 240 kW DC
Residential Sector	✓	✓			
Work place sector	✓	✓	✓		
Commercial Sector (Parkings, Hospitals, Malls)		✓	✓	✓	
Leisure sector (Hotels, Museum, Parks)		✓	✓	✓	
Highways				✓	✓

Charger 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	AC001/ 3.3-22 kW AC Type 2	22 kW AC Type 2/15-60 kW DC
Buses	100-400 kWh	7.2 kW-22 kW AC Type 2	50-240 kW DC



AC Chargers

Our AC Charger provides high quality and cost effective electric car charging. It can be used by all AC Type 2 charger compatible vehicles with output ranging from 3.3kW to 22kW, making it suitable to meet the market demands.

AC001 Charging Station

3.3kW | 10kW



Supports BEVC-AC001 Specifications



User authentication through RFID/OTP/OCPP



3 x 3.3kW output as per IEC 60309



1/3 Phase



AC TYPE 2 Charging Station

3.3kW | 7.2kW | 11kW | 22kW | Upto 100 kW Custom Chargers



Supports output range of 3.3kW to 22kW



1/3 Phase



Charging sockets as per IEC 62196-2



1/2/3 outputs for charging



AC Hybrid Charger

Any combination of AC Type 2 with IEC 60309 socket



Supports 2/3/4 wheelers



2/3 outputs for charging



Charging sockets as per IEC 62196-2 & IEC 60309



User authentication through RFID/OTP/OCPP



AC Chargers Features

- ☒ Smart Charging Solution – Takes care of Grid load & varying charging demand
- ☒ Supports IEC 60309 & IEC 62196 standards connector
- ☒ User friendly app for EV owners to monitor the charging process & billing information
- ☒ Able to manage power loads, keeping it in sync with the charging load
- ☒ Grid Responsive Metering & Billing

AC Chargers Benefits

- ☒ Compact design
- ☒ User authorization
- ☒ Charging interface support
- ☒ Easy installation

AC Chargers Application



Commercial



Residential



Parking



Fleet

AC Chargers

Technical Specifications

Technical specs of Servotech AC Charger				
Model		Lite	Basic	Ultra
Input Power	Rated Power	AC001: 3.3 kW / 10 kW Type 2: 3.3kW, 7.2kW / 11kW, 22 kW		
	Input voltage	230V AC single phase / 415V AC 3 phase		
Output Power	Number of Output	AC001: 1 / 3 Type 2: upto 3		
	Output current range	0-16 A for 3.3kW and 0-32A for 7.2 kW per phase		
	Output Charging Outlet	IEC 60309 or Type 2 IEC 62196		
	Output voltage	230V AC		
User Interface and control function	Display	-	-	4.3 TFT LCD with touch
	Push Button	-	Emergency Stop	
	User Authentication	-	RFID	RFID + OCPPv1.6
Environment	Ambient Temperature	-30°C to 55°C		
	Storage Temperature	-40°C to 70°C		
	Altitude	<2000Mtr		
	Humidity	<95%,Non condensing		
Communication	External	RS485	Wifi, BT and RS485	WiFi, BT, RS485, LAN / 4G / OCPP 1.6v
	Metering and Billing	Grid responsive metering	Grid Responsive metering and smart card, QR code scan/OTP/RFID card/APP Server Based Online Payment	Grid Responsive metering and smart card, QR code scan/ OTP/RFID card/APP Server Based Online Payment/ OCPP based authentication
	Charging Operation	Direct	Swipe Card/ Scan Code	Swipe card / Scan code / APP based authentication
Protection	Input/Output protection	Over/Under voltage protection, Overload protection, Short circuit protection, Current leakage protection Grounding protection, Surge protection, Over/Under temperature protection (*protections are optional and based on user requirements)		
	Mechanical Protection	IP54		
	Cooling	Natural cooling		
Regulation	As per	IEC 61851-1:2017 ,IEC 61851-21-2		
	Safety	CE		
	Certification	ARAI		
	Dimensions	475mm*400mm*200mm (H×W×D)		
	Mounting	Wall mounted / Pole mounted		

DC Chargers

DC Chargers come with industry standard fast charging technology to support next generation EV. These are configurable, multi-protocol design chargers to support CCS-2/CHAdemo for fast charging. The seamless integration with various payment and billing platforms enable easy and secure payments via smart phone or RFID card. The DC charger boosts the EV battery from 20%-80% in around 90 minutes based on battery pack size.

DC CHARGING STATION

15kW | 30kW



Supports BEVC-DC001 Specifications



3 Phase



Charging gun as per GB/T 20234.3 compliance



1-2 outputs for charging



CCS-2/ CHARGING STATION

Single & Dual Gun: 30 kW & 60 kW

Dual Gun: 120 kW



Supports output range from 15kW to 120kW



3 Phase



Charging guns: CCS-2/ CHAdemo



1-2 outputs for charging



DC Chargers Features

- ☒ Smart Charging Solution – Takes care of Grid load & varying charging demand
- ☒ Supports GB/T, CCS-2/CHAdeMO connector
- ☒ User friendly app for EV owners to monitor the charging process & billing information
- ☒ Smart Card, QR/App server based online payment
- ☒ Able to manage power loads, keeping it in sync with the charging load
- ☒ Grid Responsive Metering & Billing

DC Chargers Benefits

- ☒ Interoperability
- ☒ Interactive Display
- ☒ Fast Charging
- ☒ Set & Go
- ☒ Connectivity
- ☒ Charge all together

DC Chargers Application



Commercial



Parking



Fleet



Highways &
Petrol Pumps

DC Chargers

Technical Specifications

Technical specs of Servotech DC Charger					
Model		DC001		CCS-2/CHAdeMO	
Input Power	Rated Power	15 kW / 20 kW	30 kW	50/60 kW	100/120 kW
	Input voltage	415V AC, 3 phase			
Output Power	Number of Output	1		1/2	
	Output current range	200A	65A	96A	200A
	Output Charging Outlet	GB/T 20234.3 compliance		CCS-2 or CHAdeMO	
	Output voltage	40-100Vdc		150-500 Vdc (CHAdeMO) 150-750Vdc(CCS)	
User Interface and control function	Display	7 TFT LCD with touch			
	Push Button	Emergency Stop			
	User Authentication	RFID + OCPPv1.6			
Envioronment	Ambient Temperature	-30°C to 55°C			
	Storage Temperature	-40°C to 70°C			
	Altitude	<2000Mtr			
	Humidity	<95%,Non condensing			
Communication	External	WiFi, BT, RS485, LAN / 4G / OCPP 1.6v			
	Metering and Billing	Grid Responsive metering and smart card, QR code scan/OTP/RFID card/APP Server Based Online Payment/ OCPP based authentication			
	Charging Operation	Swipe card / Scan code / APP based authentication			
Protection	Input/Output protection	Over/Under voltage protection, Overload protection, Short circuit protection, Current leakage protection Grounding protection, Surge protection, Over/Under temperature protection (*protections are optional and based on user requirements)			
	Mechanical Protection	IP54			
	Cooling	Forced Air cooling			
Regulation	As per	IEC 61851-1:2017 ,IEC 61851-21-2			
	Safety	CE			
	Certification	ARAI			
	Dimensions	1600mm*500mm*350mm (H×W×D)			
	Mounting	Floor mounted			

Combo Chargers

COMBO CHARGING STATION

Available in 142 kW combo charger
(60 kW CCS, 60kW CHAdemo plus 22 kW Type 2 AC)



Output range: 142kW



3 Phase



Charging guns:
CCS & CHAdemo &
AC Type 2 Connector



3 outputs for
charging



Smart Charging Solution -
Takes care of Grid load &
varying charging demand



Smart Card, QR/App
serve based online
payment



Combo Chargers Benefits



Interoperability



Interactive Display



Fast Charging



Set & Go



Connectivity



Charge all together

Combo Chargers Application



Commercial



Parking



Highways

Combo Chargers

Technical Specifications

Technical specs of Servotech Combo Charger		
Model		COMBO CHARGERS
Input Power	Rated Power	142 kW
	Input voltage	415V AC, 3 phase
Output Power	Number of Output	3
	Output current range	2 * 150 A/ 1*180 A Max
	Output Charging Outlet	60 kW CCS-2 +60 kW ChadeMO+ 22 kW AC Type 2
	Output voltage	150-750 Vdc
User Interface and control function	Display	7 TFT LCD with touch
	Push Button	Emergency Stop
	User Authentication	RFID + OCPPv1.6
Environment	Ambient Temperature	-30°C to 55°C
	Storage Temperature	-40°C to 70°C
	Altitude	<2000Mtr
	Humidity	<95%,Non condensing
Communication	External	WiFi, BT, RS485, LAN / 4G / OCPP 1.6v
	Metering and Billing	Grid Responsive metering and smart card, QR code scan/OTP/RFID card/APP Server Based Online Payment/ OCPP based authentication
	Charging Operation	Swipe card / Scan code / APP based authentication
Protection	Input/ Output protection	Over/Under voltage protection, Overload protection, Short circuit protection, Current leakage protection Grounding protection, Surge protection, Over/Under temperature protection (*protections are optional and based on user requirements)
	Mechanical Protection	IP54
	Cooling	Natural cooling
Regulation	As per	IEC 61851-1:2017 ,IEC 61851-21-2
	Safety	CE
	Certification	ARAI
	Dimensions	1800mm*750mm*500mm (H×W×D)
	Mounting	Floor mounted

Servotech Cloud Based Charging Management System

Servotech Cloud Based Charging Management System enables seamless integration of chargers with back-end management system

User Authorization

☒ QR Based

☒ OTP Based

☒ RFID Based

Report Generation

☒ Capacity Utilization

☒ Charging Transactions

☒ Electricity Consumed

Payment Gateway

☒ Multiple payment gateway integrations including Paytm, HDFC, Billdesk

☒ Net Banking, BHIM/UPI, Debit Card, Credit Card

☒ Coupons/Promocode definition and utilization feature



Web & Mobile based Applications

Specification	Web based	Mobile application
Locate all Charging Stations on the map with status indicators	✓	✓
Check the Availability Status, Operation Timings, Estimated Charging Prices, Charging Point Status, Booking history of all the transactions	✓	✓
Charging Station Booking & Payment	✓	✓
Charging Station Directions	✓	✓
Navigate to a Charging Station	✗	✓
User authorization (QR based/OTP based/RFID based)	✗	✓
Reporting dashboard Track the capacity utilization ,charging transactions, electricity consumed,charger status	✓	✗
Review and rate charging station and mark/unmark them as your favourite	✓	✗
OCPP transaction	✓	✗
Notifications and alerts	✗	✓
Charging station management	✓	✗
Firmware Upgrades	✓	✗



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