



Kosh
ELECTRA
RECHARGING THE ROADS AHEAD

Power That Keeps You Moving

PRODUCT CATALOGUE

www.koshelectra.com

THE SMART WAY TO REFUEL

KOSH is committed to making significant strides in the field of electric vehicle (EV) charging technology. We are developing European Standard ultra-fast DC chargers with a range from 30 KW to 120 KW, contributing to sustainability and clean energy. In addition to this, we are also developing 180 KW, and 240 KW DC chargers to meet diverse energy needs and accelerate the transition to electric mobility. We have also developed 7.4kW type 2 chargers in order to increase accessibility of chargers for households.

By offering a range of charging solutions to various customer segments such as Business Owners, Fleet Operators, Integration companies, and Private users, KOSH is catering to a wide market and helping accelerate the adoption of electric vehicles.

KOSH was founded by engineering professionals with more than 10 years of experience in the EV charging product industry speaks to the expertise and knowledge backing the company.

Our focus on in-house technology development and control shows a commitment to innovation and quality in our designed products. KOSH has a vision to be a promising player in the EV charging infrastructure space, contributing towards a greener and more sustainable future with moving forward to Make in India initiative.

VISION

To empower a sustainable future by making electric mobility accessible, efficient, and eco-friendly for everyone.

MISSION

Our mission is to design and manufacture cutting-edge EV charging solutions that are reliable, innovative, and environmentally sustainable. We strive to enable seamless electric mobility by collaborating with communities, businesses, and governments to accelerate the global transition to a greener future.



ADVANTAGES OF EV CHARGERS



Property Value
Appreciation



Reduction of
Carbon Emission



Supports a
greener tomorrow

EASILY COMPATIBLE WITH



4 wheeler



Bus

POWER THAT KEEPS YOU MOVING



AC charger

DC charger

We offer 2 types of AC chargers i.e, plug-in charging and other with RFID/OCPP compatibility of 7.4kW capacity each which is an ideal option for garage installation for private vehicle owners. It also ensures long term battery health with ease of installation with minimum budget requirement.

Benefits

- Compact design
- Ease of use
- Minimum installation requirement
- Budget friendly

Usage

- Residential
- Commercial
- Fleet

DC chargers are known for their high-speed charging capabilities and are critical component of the electric vehicle infrastructure. We offer 3 variants of DC chargers i.e, 30kW single gun, 60kW dual gun and 120kW dual gun. We are also looking forward to add 180kW and 240kW in our portfolio for faster and efficient charging infrastructure in near future.

Benefits

- High speed charging
- Long distance travel support
- Commercial application
- Encourages EV adoption

Usage

- Commercial
- Hospitality industry
- Apartment society
- Malls
- Airport
- Fleet
- Workplace

AC CHARGER

7.4kW

- Compatible with 4 wheelers ▸
- Supports App/RFID/
plug and charge/ OCPP1.6 ▸
- Input voltage: 230 VAC, 50-60Hz ▸
- Single Phase connection ▸



DC CHARGER



30kW

- Compatible with 4 wheelers
- Single output for charging
- Input voltage: 3 Phase
- User authentication:
RFID/QR code/OCPP1.6J
- Connectivity: App/Ethernet/WIFI/SIM

60kW

- Compatible with 4 wheelers ▸
- Dual output for charging ▸
- Input voltage: 3 Phase ▸
- User authentication:
RFID/QR code/OCPP1.6J ▸
- Connectivity:
App/Ethernet/WIFI/SIM ▸





120kW

- ▶ Compatible with 4 wheelers
- ▶ Dual output for charging
- ▶ Input voltage: 3 Phase
- ▶ User authentication: RFID/QR code/OCPP1.6J
- ▶ Connectivity: App/Ethernet/WIFI/SIM

240kW

- ▶ Compatible with heavy vehicles
- ▶ Dual output for charging
- ▶ Input voltage: 3 Phase
- ▶ User authentication: RFID/QR code/OCPP1.6J
- ▶ Connectivity: App/Ethernet/WIFI/SIM



Places of installation



Residence



Fleet
Operator



Commercial
Operators



EV Bus
Station



Fuel
Station



Hospital



Shopping
Malls



Hotel &
Restaurant



7.4kW specifications

AC Input	Power Supply	: 1P+N+PE
	Rate Voltage	: 230V AC
	Rate Current	: 32A
	Frequency	: 50/60Hz
DC Output	Output Voltage	: 230V AC
	Maximum Current	: 32A
	Rated Power	: 7kW
User Interface	LED Indicator	: Green/Yellow/Red
	LCD Display	: 4.3.inch
	RFID	: Mifare ISO/IEC 14443 A
	Charge Mode	: Plug&Charge, RFID, App
	Emergency Stop	: Yes
Communication	WiFi	: Optional
	Ethernet	: Yes
	4G	: Optional
Safety	OCPP	: OCPP 1.6 J
	Energy Meter	: Mid Meter
	RCD Ingress	: 30mA Type A + 6mA DC
	Protection	: IP54
	Impact Protection	: IK08
	Electrical Protection	: Over current Residual current Short circuit Ground, Lightning temperature Over/Under voltage Over/Under frequency, Over
	Certification	: CE
	Certification Standard	: EN/IEC 61851-1: 2017, EN/IEC 61851-21-2: 2018
	Warranty	: 2 years
Environment	Work Temperature	: -30°C~+50°C
	Work Humidity	: 5%~95%
	Work Altitude	: <2000m
Package	Product Dimension	: 402*290*135mm
	Net Weight	: 8.5kg
	Gross Weight	: 10kg
	External Package	: Carton



30kW specifications

Input Parameters	Wires	: 3-phase, 5-lines Wire AC (3PH+N+PE)
	Input Voltage	: 415Vac ($\pm 10\%$)
	Input frequency	: 50Hz ± 1.5 HzTHD
	THD	: $\leq 5\%$ of Nominal Voltage
	Power factor	: PF ≥ 0.9 (25%~50%Full load)
Output Parameters	Output power	: 30kW
	Output voltage	: 200-1000Vdc
	Output current	: 100A max
	Gun type	: CCS-2
	No. of connector/Gun	: 1
	Efficiency	: $\geq 95\%$ (Full load)
Environment	Operating temperature	: -20°C~55°C
	Humidity	: 5~95%
	Pressure	: 86kpa-106kpa
	Pollution degree	: 3
	Storage temperature	: -30°C-70°C
Mechanical	Cooling	: Forced air cooling
	Noise level	: ≤ 65 dB
	IP degrees	: IP54
	Product size	: 680×250×600mm (WxDxH)
Safety Protection Function	Over voltage	
	Under voltage	
	Over current	
	Short circuit	
	Surge protection	
	Over temperature	
	Lightning protection	
	Insulation monitoring	
	Emergency shutdown	



60kW specifications

Input Parameters	Wires	: 3-phase. 5-lines Wire AC
	Input Voltage	: 415Vac (±10%)
	Input frequency	: 50Hz±1.5Hz
	THD	: ≤5% of Nominal Voltage
	Power factor	: PF>0.9(25%~50% Full load)
Output Parameters	Output power	: 30kW
	Output voltage	: 200-1000Vdc
	Output current	: 100A max
	Gun type	: CCS-2
	No. of connector	: 1
	Efficiency	: ≥95% (Full load)
Environment	Operating	: -20°C~55°C
	Humidity	: 5~95%
	Pressure	: 86kpa~106kpa
	Pollution dearee	: 3
	Storage temperature	: -30°C~70°C
Mechanical	Cooling	: Forced air cooling
	Noise level	: ≤65dB
	IP degrees	: IP54
	Product size	: 660x236x1328mm (W×D×H)
Safety Protection Function	Over voltage	
	Under voltage	
	Over current	
	Short circuit	
	Surge protection	
	Over temperature	
	Lightning protection	
	Insulation monitoring	
	Emergency shutdown	



120kW specifications

Input Parameters	Wires	: 3-phase. 5-lines Wire AC
	Input Voltage	: 415Vac ($\pm 10\%$)
	Input frequency	: 50Hz ± 1.5 Hz
	THD	: $\leq 5\%$ of Nominal Voltage
	Power factor	: PF >0.9 (25%~50% Full load)
Output Parameters	Output power	: 30kW
	Output voltage	: 200-1000Vdc
	Output current	: 100A max
	Gun type	: CCS-2
	No. of connector	: 1
	Efficiency	: $\geq 95\%$ (Full load)
Environment	Operating	: $-20^{\circ}\text{C} \sim 55^{\circ}\text{C}$
	Humidity	: 5~95%
	Pressure	: 86kpa~106kpa
	Pollution dearee	: 3
	Storage temperature	: $-30^{\circ}\text{C} \sim 70^{\circ}\text{C}$
Mechanical	Cooling	: Forced air cooling
	Noise level	: $\leq 65\text{dB}$
	IP degrees	: IP54
	Product size	: 800x530x1767mm (WxDxH)
Safety Protection Function	Over voltage	
	Under voltage	
	Over current	
	Short circuit	
	Surge protection	
	Over temperature	
	Lightning protection	
	Insulation monitoring	
	Emergency shutdown	



240kW specifications

Input Parameters	Wires	: 3-phase. 5-lines Wire AC
	Input Voltage	: 415Vac ($\pm 10\%$)
	Input frequency	: 50Hz ± 1.5 Hz
	THD	: $\leq 5\%$ of Nominal Voltage
	Power factor	: PF >0.9 (25%~50% Full load)
Output Parameters	Output power	: 30kW
	Output voltage	: 200-1000Vdc
	Output current	: 100A max
	Gun type	: CCS-2
	No. of connector	: 1
	Efficiency	: $\geq 95\%$ (Full load)
Environment	Operating	: $-20^{\circ}\text{C} \sim 55^{\circ}\text{C}$
	Humidity	: 5~95%
	Pressure	: 86kpa~106kpa
	Pollution dearee	: 3
	Storage temperature	: $-30^{\circ}\text{C} \sim 70^{\circ}\text{C}$
Mechanical	Cooling	: Forced air cooling
	Noise level	: $\leq 65\text{dB}$
	IP degrees	: IP54
	Product size	: 800 \times 540 \times 1800mm (W \times D \times H)
Safety Protection Function	Over voltage	
	Under voltage	
	Over current	
	Short circuit	
	Surge protection	
	Over temperature	
	Lightning protection	
	Insulation monitoring	
	Emergency shutdown	



A FEW NOTABLE BRANDS AND THEIR EV VEHICLE BATTERY CAPACITY



TATA Nexon EV
Capacity-30.2kWh

MG ZS EV
Capacity-50.3kWh

TATA Tigor EV
Capacity-26kWh

Mahindra BE 6:
Capacity-59 to 79kWh

Mahindra XEV 9e:
Capacity-59 to 79kWh

Hyundai Creta Electric:
Capacity- 42 to 51.4kWh

Mahindra XUV400
Capacity-39.4kWh

BYD Atto 3
Capacity-60.5kWh

Tata Punch EV
Capacity-25 to 35kWh

MG Cyberster:
Capacity- 77kWh

Suzuki e Vitara:
Capacity- 60kWh



EV Charging Station

Steps to Charge your Vehicle

1. Download Kazam EV Charging APP
2. Add Money to Wallet & Plug-in Charger
3. Scan QR Code on the Charger
4. Select Time & Charger
5. Unplug The Charger & Happy Travels



It is not just a plug for power, it's the bridge to a

GREENER FUTURE



Products

- 7kW AC charger
- 30kW DC fast charger
- 60kW DC fast charger
- 120kW DC fast charger
- 240kW DC fast charger

Places of Installation

- Residential
- Workplace
- Fleets
- Retail and hospitality
- Individual operators



Scan the QR code



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Government of India

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