

Reliable | Safe | Sustainable  
Ecosystem Solutions for  
Electric Mobility



# Kspira DC Charger

60 kW - 240 kW



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60 kW - 240 kW

## Built-in Safety

- Overcurrent
- Overvoltage and Undervoltage
- Ground Fault Detection
- Surge Protection
- Emergency Stop Machine
- Polarity Reverse Protection
- Charge Cable Temperature Detection
- Earth Presence Detection



## Design

- Three-phase input
- 2 x CCS2 (IEC 62196.3-2014)
- IEC 15118 EIM & PNC

## Load Management

- Built-in energy meter
- Set up for external energy meter integration or dynamic load management
- Ready for integration with advanced smart building energy systems

## Connector Types

- CCS2 (IEC 62196.3-2014)
- GB/T

## Connectivity

- GSM, Ethernet, and WiFi
- OCPP 1.6J (upgradable to 2.0.1)
- Authentication via App or RFID
- Configuration via App web portal

## Capacity

Parameters

	60 kW	120 kW	240 kW
<b>Input Power</b>			
<b>Input Voltage</b>	415 VAC (+ 15%)	415 VAC(+ 15%)	415 VAC (+ 15%)
<b>Input Frequency</b>	50 Hz	50 Hz	50 Hz
<b>Wires</b>	Three-Phase (L1, L2, L3, N, PE)	Three-Phase (L1, L2, L3, N, PE)	Three-Phase (L1, L2, L3, N, PE)
<b>Electrical Parameter</b>			
<b>Ripple Factor</b>	≤ + 5%	≤ + 5%	< + 5%
<b>Efficiency</b>	> 95%	> 95%	> 95%
<b>Power Factor</b>	≥ 0.99 (above 50% load)	≥ 0.99 (above 50% load)	≥ 0.99 (above 50% load)
<b>THD</b>	≤ 5% (above 50% load)	< 5% (above 50% load)	< 5% (above 50% load)
<b>Output Power</b>			
<b>Output Connector</b>	CCS2 (IEC 62196.3-2014)	CCS2 (IEC 62196.3-2014)	CCS2 (IEC 62196.3-2014)
<b>No. Of Outputs</b>	2	2	2
<b>Output Current</b>	200 A (120 A per gun when both in operation)	400 A (200 A per gun when both in operation)	500 A (250 A per gun when both in operation)
<b>Output rating</b>	60 kW	120 kW (60 kW + 60 kW when both gun in use)	240 kW (120 kW + 120 kW when both gun in use)
<b>Environment</b>			
<b>Ambient Temperature</b>	0° C to 60° C(derating starts from 55° C)	0° C to 60° C(derating starts from 55° C)	0° C to 60° C(derating starts from 55° C)
<b>Storage Temperature</b>	-20° C to 70° C	-20° C to 70° C	-20° C to 70° C
<b>Altitude</b>	5000 Mt	5000 Mt	5000 Mt
<b>Humidity</b>	5% to 95%	5% to 95%	5% to 95% (Non-condensed)
<b>Noise Level</b>	< 60 dB	< 60 dB	< 60 dB

## Capacity

	60 kW	120 kW	240 kW
<b>Protection and Safety</b>			
<b>Protection</b>	Overcurrent, Overvoltage, Overtemperature, Undervoltage, Surge Protection, Short Circuit, Ground Fault Protection, Emergency Shutdown with Alarm, Polarity Reverse Protection, Insulating Monitoring, Leakage Protection, Charge Cable Temperature Detection, Earth Presence Detection		
<b>Communication</b>			
<b>Connectivity and CMS</b>	OCPP 1.6J over 10/100 Base-T Ethernet (Standard), GSM Modem (4G) and Wi-Fi		
<b>Charging and vehicle</b>	DIN 70121, ISO15118(EIM & PnC), IEC-61851		
<b>Mechanical</b>			
<b>IP Rating</b>	IP 54	IP 54	IP 54
<b>Shell Material</b>	CRCA Sheet	CRCA Sheet	CRCA Sheet
<b>Cooling Product</b>	Air Cooling	Air Cooling	Air Cooling
<b>Product Dimension (L*W*H)</b>	800 mm × 680 mm × 2002 mm	800 mm × 680 mm × 2002 mm	800 mm × 680 mm × 2002 mm
<b>Product Weight</b>	305 kg	345 kg	385 kg
<b>Certification</b>	ARAI (IS 17017)	ARAI (IS 17017)	ARAI (IS 17017)
<b>User interface and Control</b>			
<b>Display</b>	10.1" TFT LCD Touch Screen	10.1" TFT LCD Touch Screen	10.1" TFT LCD Touch Screen
<b>Language</b>	English	English	English
<b>Push Button</b>	Mushroom Type, Emergency Stop	Mushroom Type, Emergency Stop	Mushroom Type, Emergency Stop
<b>User Authentication</b>	Using Mobile Application or User Interface /QR Code/ RFID Card/ Password Login/ Optional UPI payment	Using Mobile Application or User Interface /QR Code/ RFID Card/ Password Login/ Optional UPI payment	Using Mobile Application or User Interface /QR Code/ RFID Card/ Password Login/ Optional UPI payment

Parameters



# About VerdeMobility

We believe that well-engineered, sustainable ecosystem solutions backed by innovative technology can promote electric mobility adoption.

Go *Verde* with our innovative, made-in-India technology solutions for electric mobility. We provide, EV charging solutions, integrating advanced IoT technology for seamless management.

Our Offerings Includes:-

## EV-Chargers

AC chargers 3.3 kw to 240 kW chargers for homes, businesses, CPOs, Dealership, fleets, Infra and DC chargers 30 kW to 240 kW for fleets and infrastructure

## IoT Solutions

Smart AC-DC charger controllers, CMS, and mobile applications for real-time monitoring and control.

## Customized Support

Tailored mobility, customization, and ecosystem support to enhance EV adoption

## Ecosystem Support

EV simulators and fleet electrification calculators to optimize efficiency and sustainability