TIREX

Powering Growth

120kW

At Tirex Chargers, we are dedicated to revolutionizing the electric vehicle (EV) charging experience. Our all-new 120kW DC Fast Charger is designed to deliver cutting-edge technology, hight-performance capabilities, and unmatched convenience to meet the diverse needs of EV owners, from individual drivers to commercial fleets.

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Power of Charger
120kW

Adaptive
150-1000V
Range

Current up to
250A

Versatile Design

Our compact and modular design suits various settings, from retail to highways and fleets. Choose single or dual outlets, and expand as needed.

Future-Ready

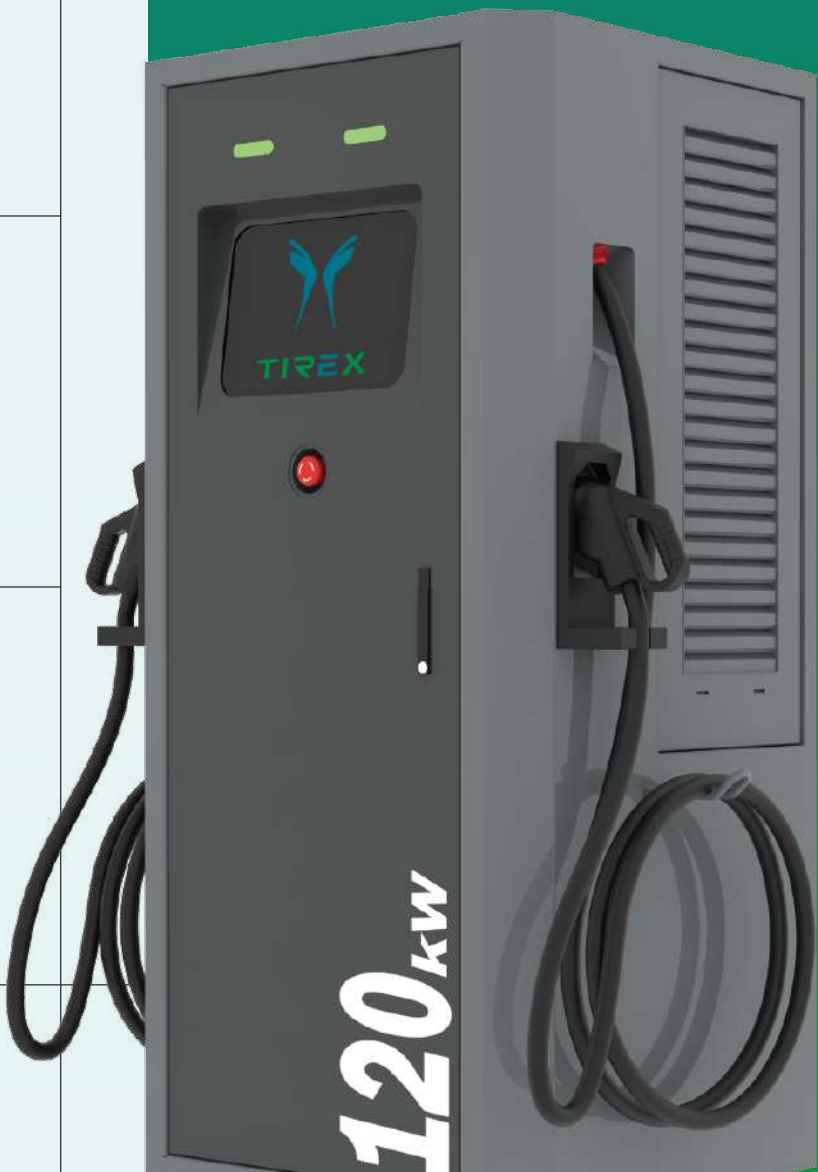
Built to support upcoming EVs, even those with 800V architecture, keeping you ahead in the evolving market.

Enhanced Utilization

Innovative power-sharing technology enables simultaneous charging of two vehicles, ensuring efficient infrastructure use.

Durable Product

Designed for over 15 hours of daily use, Tirex Chargers undergo rigorous testing for compliance with IEC 61851 and ISO 15118 standards, ensuring quality and reliability.



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Technical Specification	
Electrical	
Maximum Output Power	120 kW
Input Supply	3 Phase 5 wire AC Supply
Input Supply Rating	3 Phase 380-480 V
Nominal Input Power (Approx.)	128 kVA
Input Frequency	50/60 Hz
Output Voltage Per Gun	150 - 1000 Vdc (150-500 and 300-1000 seamless rise
Output Max Current Per Gun	200A
Metering	Grid Responsive Metering
Efficiency	>95% Peak
Power Factor	>0.98 at Nominal Load
Maximum Power Density	0.154 W/cm^3
Number of Power Modules	4
Individual Capacity of Power Modules	30kW
Short Circuit Current Rating	10kA
Safety Systems	Under Voltage, Over Voltage, Over Current, Single Phasing, Earth Leakage, Over Temperature, Surge Protection
Interface	
Gun Configurations	Dual CCS2 or Dual GBT
Charging Cable Length	5M Standard (8M Optional)
CMS Protocol	OCPP 1.6J Upgradable to OCPP 2.0
User Interface	10.4 Inch full colored touch screen
Network Connection	3G/4G Sim Card, Ethernet
RFID	MIFARE ISO 14443 Type A
MIFARE ISO 14443 Type A	
Cooling of Cabinet	Forced Air Cooled
Cooling of Power Modules	Forced Air Cooled
Humidity (Non Condensing)	5%-95%
Max Operating Altitude	2000 M (derating above 2000M)
Operating Temperature Range	Negative 20 to Degree Celsius to 70 Degree Celsius (Derating beyond 55 Degree Celsius)
Storage Temperature Range	Negative 40 Degree Celsius to 70 Degree Celsius
Mechanical	
IP Rating	IP 55
IK Rating	IK 10
Dimensions (Foot Print in W x D x H in mm)	750 x 760 x 1754
Dimensions (Maximum Points in W x D x H in mm)	1100 x 810 x 1754
Mounting	Ground
Standards Compliance	
Electrical Safety	IEC 61851-1 IEC 61851-23
Electromagnetic Compatibility	IEC 61851-21-2 IEC 61000-4
Other	AIS 138 Part 2
EV Communication	ISO 15118 - CCS2 Only DIN 70121 - CCS2 Only GBT Standard - GBT Only

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Gulf

We are Tirex Chargers, A Subsidiary of Gulf Oil Lubricants India Limited and part of the Hinduja Group. We specialize in advanced power electronics technology for fast-charging electric four-wheelers, buses, and trucks. Our core product range includes AC-DC converters integrated with an innovative operating system and high-level communication interface, enabling faster, safer, and more efficient charging.

5000+ Chargers on ground

Robust Service Network Covering **300+** Cities

1,70,000+kW Deployed

TRUSTED BY ELITE GLOBAL CLIENTS

SWITCH · MG · eka · CHARGE ZONE · TATA · TATA POWER · DAIMLER · GOEC · L&T

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Visit our website to know more