

POWERING

THE INDIAN EV DREAM



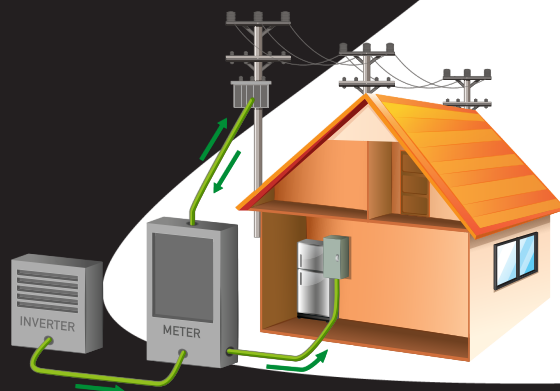
Solar Energy



E-Mobility



ESS



THE ALTERNATIVE FUEL COMPANY

EASE

Ease is an Ideal EV charger for personal electric vehicles with tested efficiency class and best safety standards. Compact, lightweight & wall mountable with instinctive display ease range is trendy as well.



Features		AC Ease Plug	Ease 3.3
Power Output	Power Rating	3.3kW Max	3.3kW Max
	Output Voltage	230 V ± 10%	230 V ± 10%
	Rated Output Current	15A	15A
	Connector	Consumer socket / IEC 60309	Output Connector with IEC 62196-2 Compliance
Power Input	Supply System	1-Phase, 3 Wire AC system (1Ph+N+E)	1-Phase, 3 Wire AC system (1Ph+N+E)
	Input Voltage	230V ± 10%, 50Hz ± 2%	230V ± 10%, 50Hz ± 2%
	Input Current		15A maximum
Protection and Safety	Safety Parameters	Leakage protection: <30mA Insulation resistance: >10MΩ Insulation Withstand voltage: AC 2kV VImpulse withstand voltage: AC 5kV	Leakage protection: <30mA Insulation resistance : >10MΩ Insulation Withstand voltage: AC 2kV Impulse withstand voltage : AC 5kV
User Interface and Control	Display	RGB Led indicating charger status with 1.5" OLED Display	20 x4 Char LCD with RGB LED
	Emergency Stop button	Mushroom type emergency stop switch (Red)	Mushroom type emergency stop switch (Red)
	Display Indications	Presence of Input Supply, State of charge process, Error Indication	Presence of Input Supply, Authentication, State of charge process, Error Indication, Charging session details
	Authentication	RFID	RFID
Communication	B/w EVSE and Central Monitoring System	Open Charge Point Protocol (OCPP) 1.6 or Higher versions compatible with OCPP 1.6. Through Wired Media or Wireless (4G)	Open Charge Point Protocol (OCPP) v1.6 compatibility. Through Wired Media or Wireless (Wi-Fi/ 4G)
Mechanical	Ingress Protection	IP55	IP55
	Charging Cable Length	NA	5m (In case of Charging Cable only)
	Dimensions (H*W*D)in mm	399*336*139 (Wall Mountable) Option of Pedestal Mount is also available	399*336*139 (Wall Mountable) Option of Pedestal Mount is also available
Applications	House Hold/ Parking Lot Charging, of E-2/3/4Wheelers		

VELOCEE

Velocee range of EV chargers offers public fast DC charging solutions. The multi-gun chargers at Velocee bring a feasible charging option, especially for fuel stations & other public properties. These LT-based chargers offer great efficiency & usability in public places.



Features		Velocee 30	Velocee 60
Power Output	Power Rating	30 kW	60KW CCS-2 & 60 KW CHAdeMO
	Output Voltage	200-500 V DC	200-1000 V DC
	Rated Output Current	60 A	125 A (CCS-2), 125 A (CHAdeMO)
	Connector	5Mtr Cable with IEC 62196-3 CCS Combo 2	1: 5Mtr Cable with IEC 62196-3 CCS Combo 2 2: 5Mtr Cable with CHAdeMO
Power Input	Supply System	Three-Phase, 5 Wire AC system (3Ph.+N+PE)	Three-Phase, 5 Wire AC system (3Ph.+N+PE)
	Input Volt	355~485 Vac, 50Hz ± 10 Hz	355~485 Vac, 50Hz ± 10 Hz
	Input Current	42A maximum	<200 A
Protection and Safety	Safety Parameters	Over-current, under-voltage, over-voltage, Residual current, Surge protection, Short circuit, Earth fault at input and output, Input phase reversal, Emergency shutdown with alarm, Over temperature, Protection against electric shock	Over-current, under-voltage, over-voltage, Residual current, Surge protection, Short circuit, Earth fault at input and output, Input phase reversal, Emergency shutdown with alarm, Over temperature, Protection against electric shock
User Interface and Control	Display	4.5" TFT Touch Display	7" TFT Touch Display
	Emergency Stop button	Mushroom type emergency stop switch (Red)	Mushroom type emergency stop switch (Red)
	Display Indications	Presence of Input Supply, Authentication, State of charge process, Error Indication, Charging session details	Presence of Input Supply, Authentication, State of charge process, Error Indication, Charging session details
	Authentication	RFID	RFID
Communication	B/w EVSE and Central Monitoring System	Open Charge Point Protocol (OCPP) v1.6 compatibility. Through Wired Media or Wireless (Wi-Fi/ 4G)	Open Charge Point Protocol (OCPP) v1.6 compatibility. Through Wired Media or Wireless (Wi-Fi/ 4G)
Mechanical	Ingress Protection	IP54	IP54
	Dimensions (H*W*D)in mm	550 * 750 * 192	1800*711*705
Applications	Hyundai Kona, Tata Nexon EV, MG ZS EV; Parking Lot , EV Service Station, EV Fleet Operators, Residential and Commercial complex, Cine Malls, Hotels and Lodge, Highways, Petrol Pumps, Dhabas.		

SMART

The smart range of EV chargers is a step ahead of the ease series serving a better power output. Smart chargers can be installed for a smaller group of EV fleets as well. High on aesthetics & usability, the Smart series of EV Chargers are ideal for a larger family. It's a cost-effective neighborhood charger as well.



Features		Smart 7.4	Smart 22
Power Output	Power Rating	7.4 kW Max	22 kW Max
	Output Voltage	230 V ± 10%	415 V
	Rated Output Current	32A	32 A
	Connector	Output Connector (5Mtr Cable) with IEC 62196 -2 Compliance	Option-1 : Output Connector (5Mtr Cable) with IEC 62196-2 Compliance
Power Input	Supply System	1-Phase, 3 Wire AC system (1Ph+N+E)	Three-Phase, 5 Wire AC system (3Ph.+N+PE)
	Input Voltage	230V ± 10%, 50Hz ± 2%	355~485 Vac, 50Hz ± 10 Hz
	Input Current	32A maximum	32A maximum
Protection and Safety	Safety Parameters	Leakage protection: <30mA Insulation resistance : >10MΩ Insulation Withstand voltage: AC 2kV Impulse withstand voltage : AC 5kV	Leakage protection: <30mA Insulation resistance : >10MΩ Insulation Withstand voltage: AC 2kV Impulse withstand voltage : AC 5kV
User Interface and Control	Display	20 x4 Char LCD with RGB LED	20 x4 Char LCD with RGB LED
	Emergency Stop button	Mushroom type emergency stop switch (Red)	Mushroom type emergency stop switch (Red)
	Display Indications	Presence of Input Supply, Authentication, State of charge process, Error Indication, Charging session details	Presence of Input Supply, Authentication, State of charge process, Error Indication, Charging session details
	Authentication	RFID	RFID/QR code
Communication	B/w EVSE and Central Monitoring System	Open Charge Point Protocol (OCPP) v1.6 compatibility. Through Wired Media or Wireless (Wi-Fi/ 4G)	Open Charge Point Protocol (OCPP) v1.6 compatibility. Through Wired Media or Wireless (Wi-Fi/ 4G)
Mechanical	Ingress Protection	IP55	IP55
	Charging Cable Length	5m (In case of Charging Cable only)	5m (In case of Charging Cable only)
	Dimensions (H*W*D)in mm	399*336*139 (Wall Mountable) Option of Pedestal Mount is also available	399*336*139 (Wall Mountable) Option of Pedestal Mount is also available
Applications	House Hold/ Parking Lot Charging, Private Charging Station of E-2/3/4Wheelers		

ELECTREON

The ultra-fast range of EV chargers, Electreon is a multi-gun, efficient, expedient DC charger compatible with HT power sources. Electreon chargers are more effective for highway installations where long-distance goods & passenger carrier vehicles can get ultra-fast charging, thus saving overall commute timing.



Features		Electreon	Electreon
Power Output	Power Rating	150kW-200 kW Max	300 kW Max
	Output Voltage	200-1000 volts DC	200-1000 volts DC
	Rated Output Current	(500 A at 400 V) (250 A at 800 V)	* 250A to 600A
	Connector	Output Connector with IEC 62196-2 Compliance	*Output Connector with IEC 62196-2 Compliance
Power Input	Supply System	Three-Phase, 5 Wire AC system (3Ph.+N+PE)	With MV Input
	Input Voltage	400V ± 10%, 50Hz ± 2%	
	Input Current	410A at maximum power	*based on number of outputs
Protection and Safety	Safety Parameters	Over-current, under-voltage, over-voltage, Residual current, Surge protection, Short circuit, Earth fault at input and output, Input phase reversal, Emergency shutdown with alarm, Over temperature, Protection against electric shock	Over-current, under-voltage, over-voltage, Residual current, Surge protection, Short circuit, Earth fault at input and output, Input phase reversal, Emergency shutdown with alarm, Over temperature, Protection against electric shock
User Interface and Control	Display	7" TFT Touch Display	7" TFT Touch Display
	Emergency Stop button	Mushroom type emergency stop switch (Red)	Mushroom type emergency stop switch (Red)
	Display Indications	Presence of Input Supply, Authentication, State of charge process, Error Indication, Charging session details	Presence of Input Supply, Authentication, State of charge process, Error Indication, Charging session details
	Authentication	RFID	RFID
Communication	B/w EVSE and Central Monitoring System	Open Charge Point Protocol (OCPP) v1.6 compatibility. Through Wired Media or Wireless (Wi-Fi/ 4G)	Open Charge Point Protocol (OCPP) v1.6 compatibility. Through Wired Media or Wireless (Wi-Fi/ 4G)
Mechanical	Ingress Protection	IP54	IP54
	Dimensions (H*W*D)in mm	1800*711*705	1800*711*705
Applications	Hyundai Kona, Tata Nexon EV, MG ZS EV; Parking Lot, EV Service Station, EV Fleet Operators, Residential and Commercial complex, Cine Malls, Hotels and Lodge, Highways, Petrol Pumps, Dhabas.		

About Us

Bharat Alt Fuel Pvt. Ltd is a fully integrated New Energy & E-Mobility company. We undertake Solar EPC turnkey projects for renewable energy generation; produce battery energy storage systems & manufacture EVs under a fully integrated e-mobility ecosystem. Our state of the art manufacturing facility in Chennai, Tamil Nadu is a self sustained green factory. Bharat Alt Fuel aims to be the global leader in facilitating transition towards e-mobility & adaption of alternative fuels.

Bharat Alt Fuel ranges of EV Charger fully comply with ARAI regulatory criteria & offer best in class technology. Our range of Ease, Smart, Velocee & Electreon chargers consists of AC / DC profile of personal & public chargers. Company aims to establish 10,000+ public chargers in phase I especially in western & Southern parts of India.

Bharat Alt Fuel is expanding its R&D centers in United States of America & Taiwan. In addition company is also signing business MOUs in various ASEAN & African countries. Our upcoming innovative product categories in HT chargers & bi-directional chargers will be leaders in their respective segments. These products are indigenously developed & 100% made in India.



EV Chargers

EV chargers will play a pivotal role for realizing the EV targets of India. Energy battery packs need fast charging solutions or they need easy swap technology featuring a plug & play systems. Bharat Alt Fuel is building its strong network of EV chargers for highway transit & rural connecting road infrastructure. There is already a major focus on Urban EV revolution but India needs the same focus on our highways & rural connecting road belts. Bharat Alt Fuel is working towards setting 10000+ EV chargers across Western & southern India in Phase I. Our Battery Swap Tech is currently limited to our own products but is adaptive to other OEMs as well





Company name:

Bharat Alt Fuel Pvt Ltd



Website:

www.bharataltfuel.com



Email id:

bharataltfuel@gmail.com



QR Code