

7.4kw AC Charger Type-2 Technical Parameters

Objectives

- ❖ Ideal choice for residential and commercial EV charging.
- ❖ Optional RFID card reader, APP based for user identification / security Protocols and management.
- ❖ Input: 7.4kw (AC220V±15%)
- ❖ Output: - For 7.4kw 32A@220-240VAC .
- ❖ Stylish, ergonomic and customizable design.
- ❖ Firmware OCPPv1.6 updates through remote connection.
- ❖ Charging interface: Input plug Type-2 pin female connector.
- ❖ User friendly LCD display for customer interface.
- ❖ Wired connectivity, Easy to install, operate and service.
- ❖ Safety Measures-Emergency stop button with 18 various type protection.
- ❖ Robust IP65 ingress protection for indoor/outdoor applications.



Applications

- ❖ Highway Fuel Outlets/service station
- ❖ Parking garage/back office
- ❖ Mall, shopping complex, university
- ❖ Commercial fleet operators
- ❖ EV infrastructure operators and service providers
- ❖ EV dealer workshop



7.4kw AC Charger Type-2 Technical Parameters

Parameters		Requirments
General Information	EV Charger Type	AC Type-2
	Charger Capacity	7KW Commercial Charger
	Model Name	HSEF-7K(A)1G(Type-2)220S
	Mounting & Cable routing	Wall / Stand Mounting & Bottom Intel wiring
Input Requirement	AC Supply System	1-Phase, 3 Wires (L,N,PE) AC System
	Input voltage & Current	AC220V±15% & 32Amp
	Wires	3 Wires (L,N,PE)
	Frequency	50Hz / 60Hz
Output Power	No of outputs	01
	Output Connectors	Input Plug type-2 pin female connector
	Charging Interface	IEC 62196 Type 2
	Output Voltage & Current	200-240 VAC & 32Amp Max
	Power Factor	≥0.99(50% load above)
Environment	Ambient & Storage Temperature	-20 degree to 65 degrees & -40°C to 75°C
	Altitude & Humidity	<2000 Mtr & 5% to 95%, non-condensing
	Cooling Method	Natural Cooling
User Interface & Control	Charging Type	HMI/APP/CMS
	Display & Language	4.3" Display & English
	Push Button	Emergency stop
	User Authentication	Mobile / QR Code / RFID / Password login
	Metering Information	Consumption Units(kWh)
Communication	Network Connectivity	LAN/GSM/Wi-Fi
	Firmware (between EVSE & CMS) & Connectivity	OCCP v.1.6 or above
	Communication between charger & vehicle	CP Based communication
	Updates	Through remote connection
Mechanical	IP Rating	IP 65
	Cable length	5 Meters
	Encloser Material	Plastic Material
	Dimension (WxDxH)	400 x 120 x 280mm
	Weight	8Kg
	Protection & Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, Door opening protection etc.
	Compliance/Standard/Certification	EN IEC61851-1:2019/61851-1:2017/62955:2018, CE, CPWD, ISO
Warranty period	12 months	

11kw AC Charger Type-2 Technical Parameters

Objectives

- ❖ Ideal choice for residential and commercial EV charging.
- ❖ Optional RFID card reader, APP based for user identification security Protocols and management.
- ❖ Input:- 11kw (AC400V±15%).
- ❖ Output: - 11kw 16A@440VAC .
- ❖ Stylish, ergonomic and customizable design.
- ❖ Firmware OCPPv1.6 updates through remote connection.
- ❖ Charging interface: Input plug Type-2 pin female connector.
- ❖ User friendly LCD Touch display for customer interface.
- ❖ Wired connectivity, Easy to install, operate and service.
- ❖ Safety Measures-Emergency stop button with 18 various type protection.
- ❖ Robust IP65 ingress protection for indoor/outdoor applications.



Applications

- ❖ Highway Fuel Outlets/service station
- ❖ Parking garage/back office
- ❖ Mall, shopping complex, university
- ❖ Commercial fleet operators
- ❖ EV infrastructure operators and service providers
- ❖ EV dealer workshop



11kw AC Charger Type-2

Technical Parameters

	Parameters	Requirements
General Information	EV Charger Type	AC Type-2
	Charger Capacity	11KW Commercial Charger
	Model Name	HSEF-11K(A)1G(Type-2)440S
	Mounting & Cable routing	Wall / Stand Mounting & Bottom Intel wiring
Input Requirement	AC Supply System	3-Phase,5 Wire (3P, N, PE) AC System
	Input voltage & Current	AC400V±15% & 16Amp
	Wires	5 Wires (L1, L2, L3, N, PE)
	Frequency	50Hz / 60Hz
Output Power	No of outputs	01
	Output Connectors	Input Plug type-2 pin female connector
	Charging Interface	IEC 62196 Type 2
	Output Voltage & Current	400-440 VAC & 32Amp Max
	Power Factor	≥0.99(50% load above)
Environment	Ambient & Storage Temperature	-20 degree to 65 degrees & -40°C to 75°C
	Altitude & Humidity	<2000 Mtr & 5% to 95%, non-condensing
	Cooling Method	Natural Cooling
User Interface & Control	Charging Type	HMI/APP/CMS
	Display & Language	4.3" Display & English
	Push Button	Emergency stop
	User Authentication	Mobile / QR Code / RFID / Password login
	Metering Information	Consumption Units(kWh)
Communication	Network Connectivity	LAN/GSM/Wi-Fi
	Firmware (between EVSE & CMS) & Connectivity	OCCP v.1.6 or above
	Communication between charger & vehicle	CP Based communication
	Updates	Through remote connection
Mechanical	IP Rating	IP 65
	Cable length	5 Meters
	Encloser Material	Plastic Material
	Dimension (WxDxH)	400 X 120 * 280 mm
	Weight	8 Kg
	Protection & Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, Door opening protection etc.
	Compliance/Standard/Certification	EN IEC61851-1:2019/61851-1:2017/62955:2018, CE, CPWD, ISO
	Warranty period	12 months

14kw AC Charger Type-2 Technical Parameters

E-FUEL
Park • Charge • Accelerate

Objectives

- ❖ Ideal choice for residential and commercial EV charging.
- ❖ Optional RFID card reader, APP based for user identification / security Protocols and management.
- ❖ Input: AC400V±15%
- ❖ Output: - 400-440VAC
- ❖ Stylish, ergonomic and customizable design.
- ❖ Firmware OCPPv1.6 updates through remote connection.
- ❖ Charging interface: Input plug Type-2 pin female connector.
- ❖ User friendly LCD Touch display for customer interface.
- ❖ Wired connectivity, Easy to install, operate and service.
- ❖ Safety Measures-Emergency stop button with 18 various type protection.
- ❖ Robust IP65 ingress protection for indoor/outdoor.



Application

- ❖ Highway Fuel Outlets/service station
- ❖ Parking garage/back office
- ❖ Mall, shopping complex, university
- ❖ Commercial fleet operators
- ❖ EV infrastructure operators and service providers
- ❖ EV dealer workshop



14kw AC Charger Type-2 Technical Parameters

	Parameters	Requirements
General Information	EV Charger Type	AC Type-2
	Charger Capacity	14KW Commercial Charger
	Model Name	HSEF-14K(A)2G(Type-2)440S
	Mounting & Cable routing	Wall / Stand Mounting & Bottom Intel wiring
Input Requirement	AC Supply System	3-Phase,5 Wire (3P, N, PE) AC System
	Input voltage & Current	AC400V±15% & 32Amp
	Wires	5 Wires (L1, L2, L3, N, PE)
	Frequency	50Hz / 60Hz
Output Power	No of outputs	02
	Output Connectors	Type-2 pin female connector
	Charging Interface	IEC 62196 Type 2
	Output Voltage & Current	400-440 VAC & Each output 32Amp
	Power Factor	≥0.99(50% load above)
Environment	Ambient & Storage Temperature	20 degree to 65 degrees & -40°C to 75°C
	Altitude & Humidity	<2000 Mtr & 5% to 95%, non-condensing
	Cooling Method	Natural Cooling
User Interface & Control	Charging Type	HMI/APP/CMS
	Display & Language	4.3" Display & English
	Push Button	Emergency stop
	User Authentication	Mobile / QR Code / RFID / Password login
	Metering Information	Consumption Units(kWh)
Communication	Network Connectivity	LAN/GSM/Wi-Fi
	Firmware (between EVSE & CMS) & Connectivity	OCCP v.1.6 or above
	Communication between charger & vehicle	CP Based communication
	Updates	Through remote connection
Mechanical	IP Rating	IP 65
	Cable length	5 Meters
	Encloser Material	Plastic Material
	Dimension (WxDxH)	280*240*210mm
	Weight	12Kg
	Protection & Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, Door opening protection etc.
	Compliance/Standard/Certification	EN IEC61851-1:2019/61851-1:2017/62955:2018, CE, CPWD, ISO
Warranty period	12 months	

22kw AC Charger Type-2 Technical Parameter

E-FUEL
Park • Charge • Accelerate

Objectives

- ❖ Ideal choice for residential and commercial EV charging.
- ❖ Optional RFID card reader, APP based for user identification security Protocols and management.
- ❖ Input:- 22kw (AC400V±15%)
- ❖ Output: - 22kw 32A (400-440 VAC)
- ❖ Stylish, ergonomic and customizable design.
- ❖ Firmware OCPPv1.6 updates through remote connection.
- ❖ Charging interface: Input plug Type-2 pin female connector.
- ❖ User friendly LCD Touch display for customer interface.
- ❖ Wired connectivity, Easy to install, operate and service.
- ❖ Safety Measures-Emergency stop button with 18 various type protection.
- ❖ Robust IP65 ingress protection for indoor/outdoor applications.



Applications

- ❖ Highway Fuel Outlets/service station
- ❖ Parking garage/back office
- ❖ Mall, shopping complex, university
- ❖ Commercial fleet operators
- ❖ EV infrastructure operators and service providers
- ❖ EV dealer workshop



22kw AC Charger Type-2 Technical Parameter

Parameters		Requirements
General Information	EV Charger Type	AC Type-2
	Charger Capacity	22KW Commercial Charger
	Model Name	HSEF-22K(A)1G(Type-2)440S
	Mounting & Cable routing	Wall / Stand Mounting & Bottom Intel wiring
Input Requirement	AC Supply System	3-Phase,5 Wire (3P, N, PE) AC System
	Input voltage & Current	AC400V±15% & 32Amp
	Wires	5 Wires (L1, L2, L3, N, PE)
	Frequency	50Hz / 60Hz
Output Power	No of outputs	01
	Output Connectors	Type-2 pin female connector
	Charging Interface	IEC 62196 Type 2
	Output Voltage & Current	400-440 VAC & 32Amp Max
	Power Factor	≥0.99(50% load above)
Environment	Ambient & Storage Temperature	-20 degree to 65 degrees & -40°C to 75°C
	Altitude & Humidity	<2000 Mtr & 5% to 95%, non-condensing
	Cooling Method	Natural Cooling
User Interface & Control	Charging Type	HMI/APP/CMS
	Display & Language	4.3" Display & English
	Push Button	Emergency stop
	User Authentication	Mobile / QR Code / RFID / Password login
	Metering Information	Consumption Units(kWh)
Communication	Network Connectivity	LAN/GSM/Wi-Fi
	Firmware (between EVSE & CMS) & Connectivity	OCCP v.1.6 or above
	Communication between charger & vehicle	CP Based communication
	Updates	Through remote connection
Mechanical	IP Rating	IP 55
	Cable length	5 Meters
	Encloser Material	Plastic Material
	Dimension (WxDxH)	400 X 120 X 280 mm
	Weight	8 Kg
	Protection & Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, Door opening protection etc.
	Compliance/Standard/Certification	EN IEC61851-1:2019/61851-1:2017/62955:2018, CE, CPWD, ISO
Warranty period	12 months	