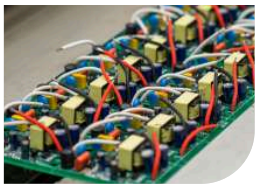
Zenergize

22kW

Single Gun
AC Type - 2









Engineered for Indian conditions, IP65 rated EV charger for personal charging requirements

Auto Restart

Auto-Restart capability to handle intermittent power cuts for home/private charging applications

Grid Ready

Current control (6A - 32A) & under/over-voltage adjustment for weak grids

Smart Charging Options

Smart Charging and Offline Charging features available as per OCPP 1.6J and OCPP 2.0.1

AI Based Monitoring

High reliability with 24X 7 remote monitoring and PAN-India on-site support and service

Customization

With complete in-house development of software and mechanical enclosure, we can fully customize both

Robust Design

IP65 rated all weather outdoor operations

AC Type-2 Charger (22kW)

Parameters	Rating	Specification
Input Parameters	Input Voltage Range	350-460V (Three phase)
	Input Frequency Range	45 - 65 Hz
	Maximum Input Current	32A rms per phase
	Input Voltage Range	Three Phase, 5 Wire (R, Y, B, N, PE)
Output Parameters	Output Voltage Range	350-460V (Three phase)
	Output Current	32A rms per phase
	Connector Type	Type-2 AC
	No. of output	1
	Mode of charging	Mode - 3
Protection & Safety	Safety Parameters	Input Over Voltage, Input Under Voltage, Over Current, Short Circuit, Surge Protection, Over Temperature, Residual Current Protection, Emergency Shut-down with alarm
Interface and Control Functions	Visual Indication	Presence of Input Supply, Error Indicator via LED glow sign
	Emergency Stop	Push Button
	User Authentication	Mobile Application, QR Code, RFID Card
Communication	Between EVSE and Central Server	OCPP 1.6J/OCPP 2.0.1
	Between EVSE and EV	Low Level Communication as per IEC 61851-1
	Interface	Wifi, Bluetooth (for configuration and settings), GSM (2G/3G/4G)
Mechanical	Ingress Protection	IP65
	Cooling	Natural Air Cooling
	Operating Temperature	-25 ° C to 55 ° C
	Storage Temperature	-25 ° C to 70 ° C
	Altitude	2000 m
	Humidity (Non-condensing)	5% to 95%
	Material	Mild Steel with phosphated powder coating
	Impact Resistance	IK10
	Weight	5.5 Kg
	Dimensions (HxWxD) in mm	280x235x100
	Mounting	Wall/ pedestal mounted

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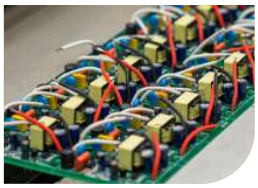
Zenergize

11kW

Single Gun
AC Type - 2









Engineered for Indian conditions, IP65 rated EV charger for personal charging requirements

Auto Restart

Auto-Restart capability to handle intermittent power cuts for home/private charging applications

Grid Ready

Current control (6A - 32A) & under/over-voltage adjustment for weak grids

Smart Charging Options

Smart Charging and Offline Charging features available as per OCPP 1.6J and OCPP 2.0.1

AI Based Monitoring

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Customization

With complete in-house development of software and mechanical enclosure, we can fully customize both

Robust Design

IP65 rated all weather outdoor operations

AC Type-2 Charger (11kW)

Parameters	Rating	Specification
Input Parameters	Input Voltage Range	350-460V (Three phase)
	Input Frequency Range	45 - 65 Hz
	Maximum Input Current	16A rms per phase
	Input Voltage Range	Three Phase, 5 Wire (R, Y, B, N, PE)
Output Parameters	Output Voltage Range	350-460V (Three phase)
	Output Current	16A rms per phase
	Connector Type	Type-2 AC
	No. of output	1
	Mode of charging	Mode - 3
Protection & Safety	Safety Parameters	Input Over Voltage, Input Under Voltage, Over Current, Short Circuit, Surge Protection, Over Temperature, Residual Current Protection, Emergency Shut-down with alarm
Interface and Control Functions	Visual Indication	Presence of Input Supply, Error Indicator via LED glow sign
	Emergency Stop	Push Button
	User Authentication	Mobile Application, QR Code, RFID Card
Communication	Between EVSE and Central Server	OCPP 1.6J/OCPP 2.0.1
	Between EVSE and EV	Low Level Communication as per IEC 61851-1
	Interface	Wifi, Bluetooth (for configuration and settings), GSM (2G/3G/4G)
Mechanical	Ingress Protection	IP65
	Cooling	Natural Air Cooling
	Operating Temperature	-25 ° C to 55 ° C
	Storage Temperature	-25 ° C to 70 ° C
	Altitude	2000 m
	Humidity (Non-condensing)	5% to 95%
	Material	Mild Steel with phosphated powder coating
	Impact Resistance	IK10
	Weight	5.5 Kg
	Dimensions (HxWxD) in mm	280x235x100
	Mounting	Wall/ pedestal mounted

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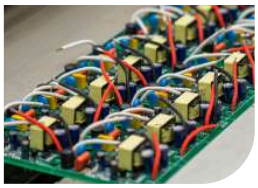
Zenergize

7.4kW

Single Gun
AC Type - 2









Engineered for Indian conditions, IP65 rated EV charger for personal charging requirements

Auto Restart

Auto-Restart capability to handle intermittent power cuts for home/private charging applications

Grid Ready

Current control (6A - 32A) & under/over-voltage adjustment for weak grids

Smart Charging Options

Smart Charging and Offline Charging features available as per OCPP 1.6J and OCPP 2.0.1

AI Based Monitoring

High reliability with 24X 7 remote monitoring and PAN-India on-site support and service

Customization

With complete in-house development of software and mechanical enclosure, we can fully customize both

Robust Design

IP65 rated all weather outdoor operations

AC Type-2 Charger (7.4kW)

Parameters	Rating	Specification
Input Parameters	Input Voltage Range	180-275V (single phase)
	Input Frequency Range	45 - 65 Hz
	Maximum Input Current	32A rms
	Input Voltage Range	Single Phase, 3 Wire (P, N, PE)
Output Parameters	Output Voltage Range	180-275V (single phase)
	Output Current	Max. 32A rms
	Connector Type	Type-2 AC
	No. of output	1
	Mode of charging	Mode - 3
Protection & Safety	Safety Parameters	Input Over Voltage, Input Under Voltage, Over Current, Short Circuit, Surge Protection, Over Temperature, Residual Current Protection, Emergency Shut-down with alarm
Interface and Control Functions	Visual Indication	Presence of Input Supply, Error Indicator via LED glow sign
	Emergency Stop	Push Button
	User Authentication	Mobile Application, QR Code, RFID Card
Communication	Between EVSE and Central Server	OCPP 1.6J/OCPP 2.0.1
	Between EVSE and EV	Low Level Communication as per IEC 61851-1
	Interface	Wifi, Bluetooth (for configuration and settings), GSM (2G/3G/4G)
Mechanical	Ingress Protection	IP65
	Cooling	Natural Air Cooling
	Operating Temperature	-25 ° C to 55 ° C
	Storage Temperature	-25 ° C to 70 ° C
	Altitude	2000 m
	Humidity (Non-condensing)	5% to 95%
	Material	Mild Steel with phosphated powder coating
	Impact Resistance	IK10
	Weight	5.5 Kg
	Dimensions (HxWxD) in mm	280x235x100
	Mounting	Wall/ pedestal mounted

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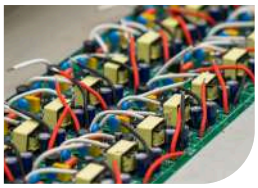
Zenergize

240kW

Dual Gun I CCS-2
Dynamic Power Sharing









Engineered for extreme Indian conditions, delivering 3% higher energy efficiency

Higher RoI

Annual incremental margin of approx. ₹1.3 lacs for a 60KW DC charger

Higher De-rating Temperature

Operates at up to **55°C ambient temperature** without derating, ensuring **higher uptime**

Intelligent Remote Monitoring

Maximum uptime, faster service, and **lower operating costs** for the customer

Auto-Charge Enabled

OCPP 1.6J & 2.0.1 compliant, with **Auto-Charge** functionality

Rapid Customization

In-house firmware and manufacturing - faster feature and design development

Faster Spares & Service

Field engineers across 40 cities & in-house hardware + software stack – ensuring **faster spares availability (<72 hrs)**

Zenergize vs IGBT Based Fast Charger

Product Feature	Zenergize	Competition Chargers
Remote Health & Performance Monitoring	YES – Smart HMPU	Maybe/ No
Technology	SiC MOSFET	IGBT
Efficiency	≥96.6%	≥94%
De-rating Temperatures	55°C	45°C
Power Module	In-house designed and manufactured	Imported
Firmware	In-house	Outsourced

240kW Product Specifications

Parameters	Rating	Specification
Input Parameters	Input Voltage Type	415V Three Phase, 5 Wire (R, Y, B, N, PE)
	T.H.D (i)	<2% at rated load
	Power Factor	>0.99 (at rated load) and >0.98 (with load greater than 50% rated load)
	Maximum Input Current	400A rms (per phase)
Output Parameters	Number of Guns	2
	Output Voltage Range	100-1000 Vdc
	Maximum Output Current (per gun)	325A
	Power Conversion Efficiency	> 95.5% (at rated load and 800 Vdc output)
	Dynamic Power Sharing	No
Interface and Control Functions	Display Screen (HMI)	10" TFT Touch Screen
	User Authentication	Using mobile application or HMI: QR Code / RFID Card / Password Login
	Input AC energy meter	Yes
	Battery Backup	30 minutes
Communication	Between EV and EVSE	Low Level Communication as per IEC 61851-1, High Level Communication as per DIN SPEC 70121 and ISO 15118
	Between EVSE and CMS	OCPP 1.6J and OCPP 2.0.1 software protocols via WiFi/ GSM (2G/3G/4G)/Ethernet
Mechanical	Ingress Protection	IP55
	Cooling	Forced Air Cooling
	Charging Cable Length	5 m (optional up to 7m available)
	Operating Temperature	-25°C to 75°C (de-rating > 55°C)
	Weight	500 Kg (With Power module)
	Dimensions (HxWxD) in mm	1975x1090x750
	Material	Phosphated Mild Steel with power coating or Stainless Steel

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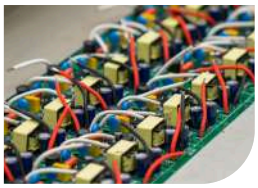
Zenergize

120kW

Dual Gun I CCS-2
Dynamic Power Sharing









Engineered for extreme Indian conditions, delivering 3% higher energy efficiency

Higher RoI

Annual incremental margin of approx. ₹1.3 lacs for a 60KW DC charger

Higher De-rating Temperature

Operates at up to **55°C ambient temperature** without derating, ensuring **higher uptime**

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Zenergize vs IGBT Based Fast Charger

Product Feature	Zenergize	Competition Chargers
Remote Health & Performance Monitoring	YES – Smart HMPU	Maybe/ No
Technology	SiC MOSFET	IGBT
Efficiency	≥96.6%	≥94%
De-rating Temperatures	55°C	45°C
Power Module	In-house designed and manufactured	Imported
Firmware	In-house	Outsourced

120kW Product Specifications

Parameters	Rating	Specification
Input Parameters	Input Voltage Type	415V Three Phase, 5 Wire (R, Y, B, N, PE)
	T.H.D (i)	<2% at rated load
	Power Factor	>0.99 (at rated load) and >0.98 (with load greater than 50% rated load)
	Maximum Input Current	200A rms (per phase)
Output Parameters	Number of Guns	2
	Output Voltage Range	100-1000 Vdc
	Maximum Output Current (per gun)	200A
	Power Conversion Efficiency	> 95.5% (at rated load and 800 Vdc output)
	Dynamic Power Sharing	Yes
Interface and Control Functions	Display Screen (HMI)	10" TFT Touch Screen
	User Authentication	Using mobile application or HMI: QR Code / RFID Card / Password Login
	Input AC energy meter	Yes
	Battery Backup	30 minutes
Communication	Between EV and EVSE	Low Level Communication as per IEC 61851-1, High Level Communication as per DIN SPEC 70121 and ISO 15118
	Between EVSE and CMS	OCPP 1.6J and OCPP 2.0.1 software protocols via WiFi/ GSM (2G/3G/4G)/Ethernet
Mechanical	Ingress Protection	IP55
	Cooling	Forced Air Cooling
	Charging Cable Length	5 m (optional up to 7m available)
	Operating Temperature	-25°C to 75°C (de-rating > 55°C)
	Weight	350 Kg (With Power module)
	Dimensions (HxWxD) in mm	1725x850x749
	Material	Phosphated Mild Steel with power coating or Stainless Steel

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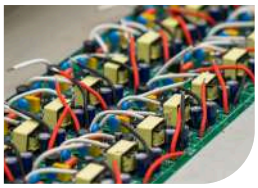
Zenergize

60kW

Dual Gun I CCS-2
Dynamic Power Sharing









Engineered for extreme Indian conditions, delivering 3% higher energy efficiency

Higher RoI

Annual incremental margin of approx. ₹1.3 lacs for a 60KW DC charger

Higher De-rating Temperature

Operates at up to **55°C ambient temperature** without derating, ensuring **higher uptime**

Intelligent Remote Monitoring

Maximum uptime, faster service, and **lower operating costs** for the customer

Auto-Charge Enabled

OCPP 1.6J & 2.0.1 compliant, with **Auto-Charge** functionality

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Zenergize vs IGBT Based Fast Charger

Product Feature	Zenergize	Competition Chargers
Remote Health & Performance Monitoring	YES – Smart HMPU	Maybe/ No
Technology	SiC MOSFET	IGBT
Efficiency	≥96.6%	≥94%
De-rating Temperatures	55°C	45°C
Power Module	In-house designed and manufactured	Imported
Firmware	In-house	Outsourced

60kW Product Specifications

Parameters	Rating	Specification
Input Parameters	Input Voltage Type	415V Three Phase, 5 Wire (R, Y, B, N, PE)
	T.H.D (i)	<2% at rated load
	Power Factor	>0.99 (at rated load) and >0.98 (with load >50% rated load)
	Maximum Input Current	100A rms (per phase)
Output Parameters	Number of Guns	2
	Output Voltage Range	100-1000 Vdc
	Maximum Output Current (per gun)	200A
	Power Conversion Efficiency	> 96.6% (at rated load and 800 Vdc output)
	Dynamic Power Sharing	Yes
Interface and Control Functions	Display Screen (HMI)	10" TFT Touch Screen
	User Authentication	Using mobile application or HMI: QR Code / RFID Card / Password Login
	Input AC energy meter	Yes
	Battery Backup	30 minutes
Communication	Between EV and EVSE	Low Level Communication as per IEC 61851-1, High Level Communication as per DIN SPEC 70121 and ISO 15118
	Between EVSE and CMS	OCPP 1.6J and OCPP 2.0.1 software protocols via WIFI/ GSM (2G/3G/4G)/Ethernet
Mechanical	Ingress Protection	IP55
	Cooling	Forced Air Cooling
	Charging Cable Length	5 m (optional up to 7m available)
	Operating Temperature	-25°C to 75°C (de-rating > 55°C)
	Weight	220 Kg (With Power module)
	Dimensions (HxWxD) in mm	1350x850x749
	Material	Phosphated mild steel with powder coating or Stainless Steel

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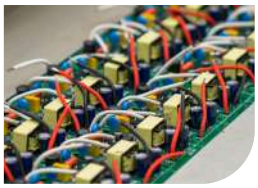
Zenergize

30kW

Single Gun I CCS-2
Dynamic Power Sharing









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Higher RoI

Annual incremental margin of approx. ₹1.3 lacs for a 60KW DC charger

Higher De-rating Temperature

Operates at up to **55°C ambient temperature** without derating, ensuring **higher uptime**

Intelligent Remote Monitoring

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Auto-Charge Enabled

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Zenergize vs IGBT Based Fast Charger

Product Feature	Zenergize	Competition Chargers
Remote Health & Performance Monitoring	YES – Smart HMPU	Maybe/ No
Technology	SiC MOSFET	IGBT
Efficiency	≥96.6%	≥94%
De-rating Temperatures	55°C	45°C
Power Module	In-house designed and manufactured	Imported
Firmware	In-house	Outsourced

30kW Product Specifications

Parameters	Rating	Specification
Input Parameters	Input Voltage Type	415V Three Phase, 5 Wire (R, Y, B, N, PE)
	T.H.D (i)	<2% at rated load
	Power Factor	>0.99 (at rated load) and >0.98 (with load >50% rated load)
	Maximum Input Current	50A rms (per phase)
Output Parameters	Number of Guns	1
	Output Voltage Range	100-500 Vdc
	Maximum Output Current (per gun)	80A
	Power Conversion Efficiency	> 95.5% (at rated load and 800 Vdc output)
	Dynamic Power Sharing	Yes
Interface and Control Functions	Display Screen (HMI)	10" TFT Touch Screen
	User Authentication	Using mobile application or HMI: QR Code / RFID Card / Password Login
	Input AC energy meter	Yes
	Battery Backup	30 minutes
Communication	Between EV and EVSE	Low Level Communication as per IEC 61851-1, High Level Communication as per DIN SPEC 70121 and ISO 15118
	Between EVSE and CMS	OCPP 1.6J and OCPP 2.0.1 software protocols via WiFi/ GSM (2G/3G/4G)/Ethernet
Mechanical	Ingress Protection	IP55
	Cooling	Forced Air Cooling
	Charging Cable Length	5 m (optional up to 7m available)
	Operating Temperature	-25°C to 75°C (de-rating > 55°C)
	Weight	190 Kg (With Power module)
	Dimensions (HxWxD) in mm	800x760x365
	Material	Phosphated mild steel with powder coating or Stainless Steel

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