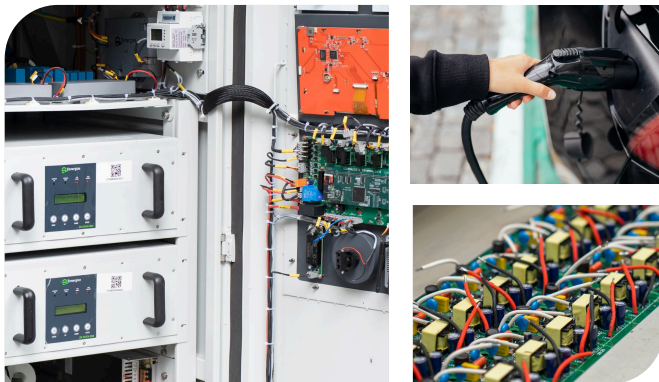




30kW

Single Gun | 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

30kW Product Specifications

Parameters	Rating	Specification
Input Parameters	Input Voltage Type	415V Three Phase
	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	100-1000 Vdc
	Maximum Output Current (per gun)	80A
	Power Conversion Efficiency	> 95.5% (at rated load and 800 Vdc output)
Interface and Control Functions	Display Screen (HMI)	10" TFT HMI
	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	160 Kg (With Power module)
	Dimensions (HxWxD) in mm	900x600x365
	Material	Phosphated mild steel with powder coating or Stainless Steel