EV Charger Dispenser

Main Cabinet Unit	480kW	640kW
Input Voltage (VAC)	3-Ph 400V (+/-10%)	
Efficiency (%)	Max. 96% (50%-100% Load)	
Input Frequency (Hz)	50 Hz (+/- 3Hz)	
Max. Input Current (A AC)	770A	1030A
Input Connections	5 wire (L1,L2,L3,N,PE)	
Power Factor	≥0.99 (50%-100% Load)	
Current THD	<=3% (50%-100% Load)	
Max. Number of Outputs	4	6
Output Connector type	IEC 62196-3 (CCS-2)	
No Of Power Modules	12	16
Max. Output Power Rating (kW)	480	640
Electrical metering	To comply with IEC 62052-11 & IC 62053-21	
Emergency Push Button	Provided	
Protections	Cabinet Temperature Measurement, Dispenser Temperature Measurement, Gun Temperature Measurement, Over Voltage Protection, Under Voltage Protection, Input Over Current Protection, Input Short Circuit Protection, Output Short Circuit Protection, Leakage Current Detection, Phase Unbalance, Phase Loss, AC Surge Protection(Type-1+2), Insulation Resistance Monitoring & Alarm	
Operating Temperature	-20° to +55° C (derating from +55°C to +65°C)	
Relative Humidity	<95%, non-condensing	
Place of installation	Indoor / Outdoor	
Ingress Protection	IP55	
Cooling	Forced Air Convection	
Standards	IS17017-1, IEC61851-1, IS17017-21-2, IEC61851-21-2, IEC61851-23, IEC62196-2-3, ISO15118-2, ISO15118-20, DIN SPEC 70121, IEC61851-24	
Certification	CE, IEC, IS,	
Mounting	Floor Standing	
Approx dimension (W X D X H) mm	1700×900×2000 mm	2000×1200×2000 mm
Max. Weight (KGs)	1200	1800

Dispenser Terminal

Type of Dispenser	Air Cooled	
Charging Mode	Mode 4: CCS2	
Output Voltage (V)	150-1000V DC	
Max. Output Current (DC)/Gun	250A (300A Optional)	
Output Power (P)/Gun	120kW-300kW	160-300kW
Display	7" TFT Color Touch Screen (10" inch-Optional)	
Protections	Emergency Stop Push Button, Output Short Circuit	
Cable Management System	Retractor Arms (Optional)	
Multi Language	Yes (English, Hindi, Marathi, Gujarati)	
User Authentication	Mobile App, Auto Charge, PnC, RFID card, QR code, POS (Optional)	
Visual Status Indication	LCD and LED for Mains available, Charging status, System errors	
DC Energy Meter	CL 0.5 with Shunt (Bidirectional)	
Charger and Vehicle Communication	Powe Line Communication (PLC)	
Charger and CMS communication	Open Charge Point Protocol 1.6J	
Compliance	IS17017-1 / IEC61851-1	
Charger Interface	LAN / 4G (M2M) / Wi-Fi (RS485-Optional)	
Remote Firmware Update	FOTA updates via web portal	
Charging wire length	5 Mtr. (Extendable upto 10 Mtr.- Optional)	
Payment System	Billing & transaction with various modes of payment	
Memory Storage	To store 50 event logs & last 50 charging session information	
Battery Back-Up (For Display Only)	1 hour	

EV Charger Dispenser

Main Cabinet Unit	720kW	960kW
Input Voltage (VAC)	3-Ph 400V (+/-10%)	
Efficiency (%)	Max. 96% (50%-100% Load)	
Input Frequency (Hz)	50 Hz (+/- 3Hz)	
Max. Input Current (A AC)	1160A	1550A
Input Connections	5 wire (L1,L2,L3,N,PE)	
Power Factor	≥0.99 (50%-100% Load)	
Current THD	<=3% (50%-100% Load)	
Max. Number of Outputs	6	8
Output Connector type	IEC 62196-3 (CCS-2)	
No Of Power Modules	18	24
Max. Output Power Rating (kW)	720	960
Electrical metering	To comply with IEC 62052-11 & IC 62053-21	
Emergency Push Button	Provided	
Protections	Cabinet Temperature Measurement, Dispenser Temperature Measurement, Gun Temperature Measurement, Over Voltage Protection, Under Voltage Protection, Input Over Current Protection, Input Short Circuit Protection, Output Short Circuit Protection, Leakage Current Detection, Phase Unbalance, Phase Loss, AC Surge Protection(Type-1+2), Insulation Resistance Monitoring & Alarm	
Operating Temperature	-20° to +55° C (derating from +55°C to +65°C)	
Relative Humidity	<95%, non-condensing	
Place of installation	Indoor / Outdoor	
Ingress Protection	IP55	
Cooling	Forced Air Convection	
Standards	IS17017-1, IEC61851-1, IS17017-21-2, IEC61851-21-2, IEC61851-23, IEC62196-2-3, ISO15118-2, ISO15118-20, DIN SPEC 70121, IEC61851-24	
Certification	CE, IEC, IS,	
Mounting	Floor Standing	
Approx dimension (W X D X H) mm	2000×1500×2000 mm	2000×1700×2000 mm
Max. Weight (KGs)	1900	2200

Dispenser Terminal

Type of Dispenser	Air+Liquid Cooled	
Charging Mode	Mode 4: CCS2	
Output Voltage (V)	150-1000V DC	
Max. Output Current (DC)/Gun	250-500A	250-500A
Output Power (P)/Gun	160-400kW	160-500kW
Display	7" TFT Color Touch Screen (10" inch-Optional)	
Protections	Emergency Stop Push Button, Output Short Circuit	
Cable Management System	Retractor Arms (Optional)	
Multi Language	Yes (English, Hindi, Marathi, Gujarati)	
User Authentication	Mobile App, Auto Charge, PnC, RFID card, QR code, POS (Optional)	
Visual Status Indication	LCD and LED for Mains available, Charging status, System errors	
DC Energy Meter	CL 0.5 with Shunt (Bidirectional)	
Charger and Vehicle Communication	Powe Line Communication (PLC)	
Charger and CMS communication	Open Charge Point Protocol 1.6J	
Compliance	IS17017-1 / IEC61851-1	
Charger Interface	LAN / 4G (M2M) / Wi-Fi (RS485-Optional)	
Remote Firmware Update	FOTA updates via web portal	
Charging wire length	5 Mtr. (Extendable upto 10 Mtr.- Optional)	
Payment System	Billing & transaction with various modes of payment	
Memory Storage	To store 50 event logs & last 50 charging session information	
Battery Back-Up (For Display Only)	1 hour	

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