比亚迪汽车
BYD AUTO

BYD

120KW DC Charger

Technical Specification

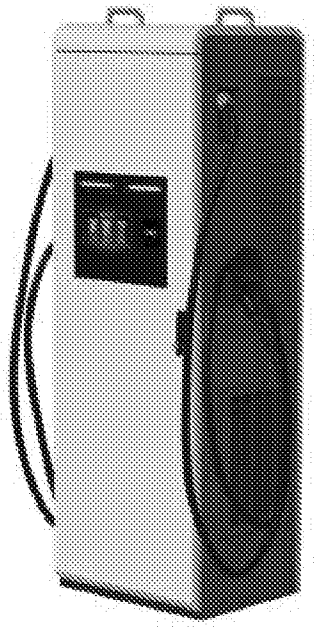
(EVD120KU/C01)

V1

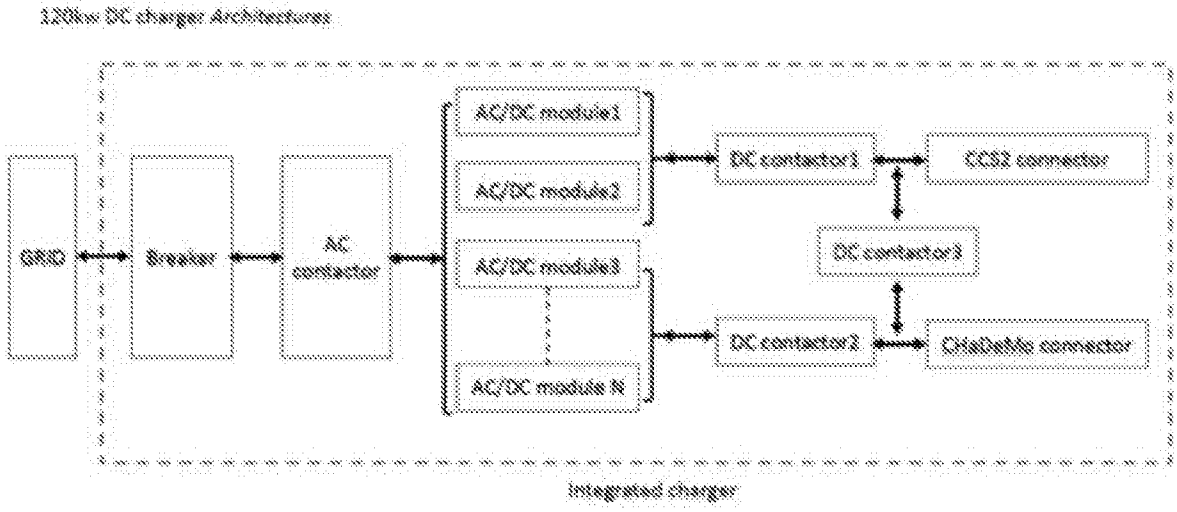
ARUN DISTRICT COUNCIL BE/151/21/PL

Part 1: ID

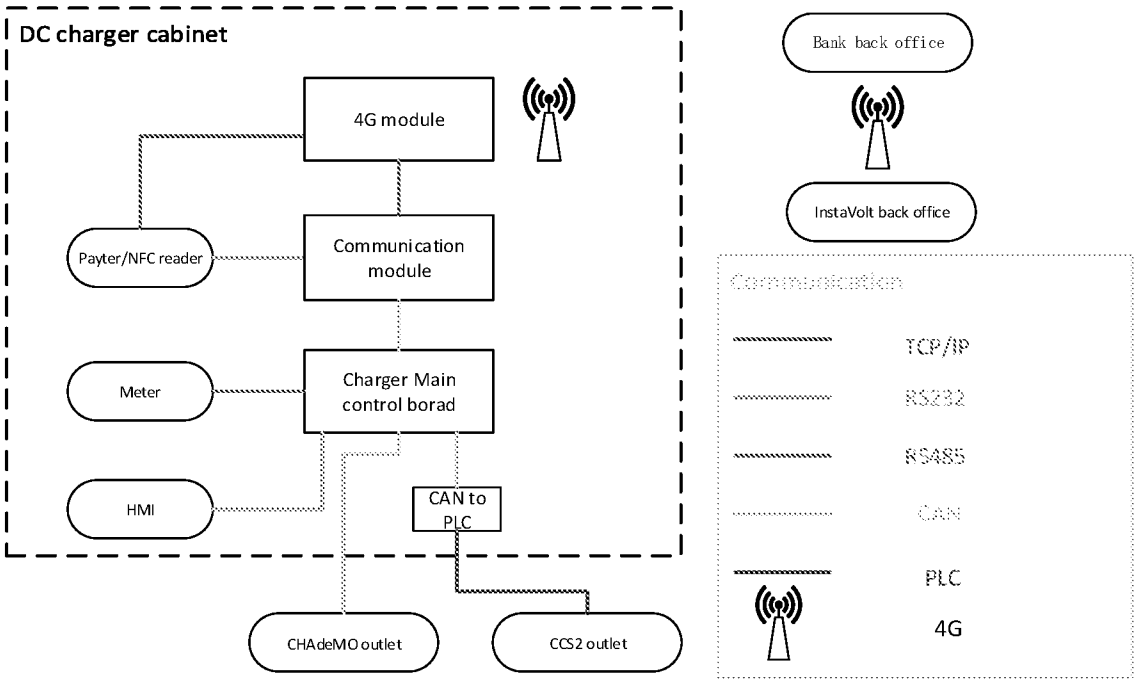
Solution



Part 2: System Architectures

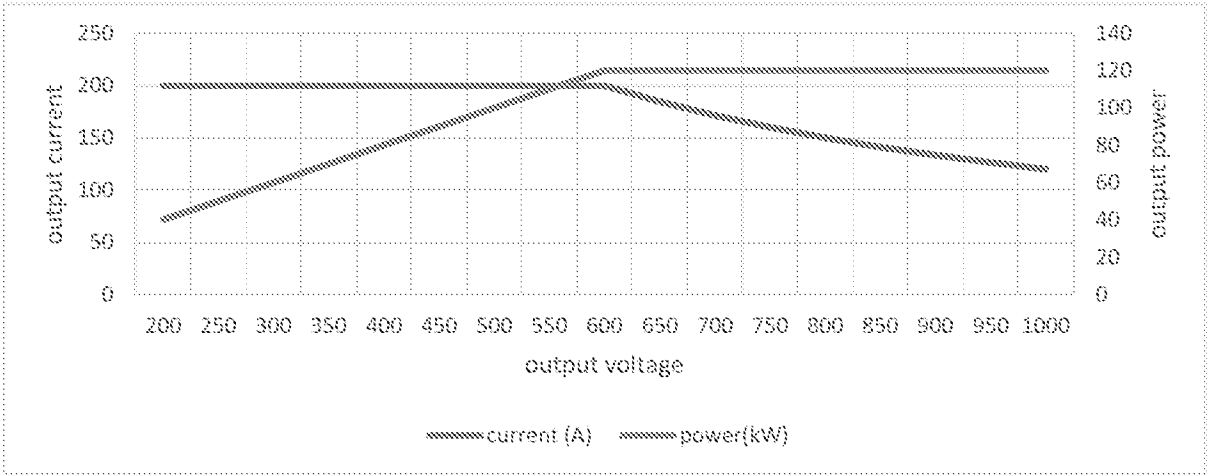


Part 3: System communication topology



Part 4: Main Technical Parameters

Specification	Model	EVD120KU/C01	
Power Input	Phases / Lines	3 phase + neutral + PE	
	Voltage	AC 400 V ± 10%	
	Frequency	50Hz	
Power Output	Voltage	DC 200~1000V	DC 200~1000V
	Current	Max. 200A	Max. 150A
	Power	120KW	75KW
Structure Design	Installation Method	Floor-stand	
	Charging Outlet	DC CCS 2	DC CHAdeMO
	Cable Length	4.8M	4.8M
	LED Indicator	Yes	
	LCD Screen	10 in Color touch screen	
	RFID Function	MIFARE Classic NEMA EV 2018 standard Apple VAS Google Smart Tap	
	Energy meter	Yes	
	Efficiency	> 95%	
	Power Factor	> 0.98（50% ~ 100% load）	

	Harmonics	iTHD < 5% (Complies with IEEE 519 Requirements)
	RCD	Yes
Communication	Charger v.s. EV	PLC (DIN 70121: 2014-12/ ISO15118)
	Communication Protocol	OCPP 1.6
Environmental Index	Operating Temperature	-30 °C ~ +50 °C
	Working Humidity	5%~95% without condensation
	Working Altitude	<2000M
	Protection Grade	IP54
	Application Site	Indoor/Outdoor
	Cooling Method	Air-blast cooling
	Noise	≦65dB
Safety Protection	Multiple Protection	Over/Under voltage protection, Overload protection, Short circuit protection, Over/Under temperature protection, Grounding protection, Surge protection
	MTBF	100,000 hours
	Certification	CE marking: complies with IEC 62196, IEC 61851 EMC Compliance EU: EN55011, EN55022 and IEC61000-4 Surge Protection: IEC 6100-4-5, Level 5 (6 kV @ 3,000A) or greater
Package Information	Net Weight	≤350KG
	Gross Weight	≤400KG
	External Packing	Wooden case

Part 5: CCS2 cable output characteristic curve