

EVA 5430G, EVA 5460G, EVA 54120G, EVA 54142G, EVA 54180G, EVA 54240G IP54, 30kw-240kw DC EV charger

- In-house developed controllers, CCS and OCPP charging modules
- Supports multiple charging standards: GB, CCS1, CCS2 and CHAdeMO
- Wider DC voltage range 300v to 1000v at 30KW constant output power per module, faster charging efficiency
- Optional booster mode, shorten the charging time and improve the efficiency by 28%
- The charger has passed 33 sets of rigorous environmental and thermal shock tests from -35°C to 55°C to ensure the system reliability
- The DC power module is equipped with UL approved epoxy resin automatic injection to sustain the dusty and salty air tests to improve environmental adaptability
- IP54 protection, IK10 vandal-proof enclosure and IK8 touch screen
- Each charging mode with dedicated LED status indicator light (easy and intuitive charging experience)
- Multilingual support for 7" colored touch LCD
- Built-in RFID card reader
- Supports OCPP 1.6 JSON network and 3G/4G
- Remote firmware upgrade with APP (OTA)
- Adapting OCPP network security protocol to implement the OTA feature
- Passed cloud network protocol test and was verified by OCTT
- Passed vehicle end protocol DIN 70121, ISO 15118, and was verified TUV
- The Linux 5.10 OS and CPU performed with cybersecurity standards
- Third-party certified CE EN61851



EVA 5430G / EVA 5460G

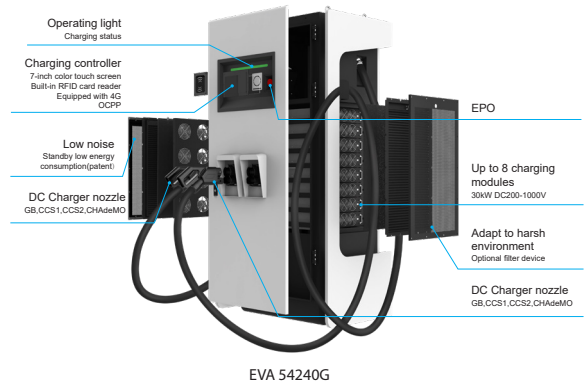
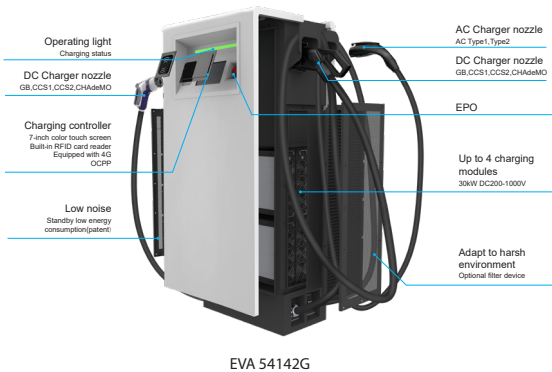
EVA 54120G



EVA 54142G

EVA 54180G / EVA 54240G

Product Outlook



Product Selection Guide

Model	Power module #	DC charger nozzle #	AC charger nozzle #	Dimension (D x W x H, mm)
EVA 5430G	1	up to 2	N/A	235.5 x 660 x 1250
EVA 5460G	2	up to 2	N/A	
EVA 54120G	4	up to 2	N/A	
EVA 54142G	4	up to 2	1	360 x 660 x 1500
EVA 54180G	6	up to 2	N/A	600 x 700 x 1600
EVA 54240G	8	up to 2	N/A	

Specification

MODEL		EVA 5430G	EVA 5460G	EVA 54120G	EVA 54142G	EVA 54180G	EVA 54240G	
Charging Type		DC fast charging	DC fast charging	DC fast charging	DC fast charging and AC charging	DC fast charging	DC fast charging	
Outlet Options		T2: AC Type 2, C: CCS2 cable, A: CCS1 cable, J: CHAdeMO cable, G: GBT cable						
AC Input Power @ 400V 50Hz		48 A, 33 kVA	93 A, 64 kVA	192 A, 128 kVA	225 A, 150 kVA	288A,192kVA	384A,256kVA	
Input Voltage Range		380/400/415 VAC						
Input Frequency		50 Hz or 60 Hz						
DC Outlet	DC Output Power Rating	30 kW	60 kW	120 kW	120 kW	180 kW	240 kW	
	DC Output Voltage	200-1000 Vdc (Constant power from 300-1000Vdc)						
	Number of EV Served	Up to 2 (JC, JA models) Up to 1 (C, A, J, G models)	Up to 2 (CC, AA, JC, JJ, GG models) Up to 1 (C, A, G models)	Up to 2 (C, A, G, CC, AA, JC, JA, GG models)	Up to 3 (JCT2, JAT2, GCT2, CCT2, GAT2 models)	Up to 2 (C, A, G, CC, AA, JC, JA, GG models)		
	Cable Length	5.0 m, Optional: 6.0 m / 7.0 m						
	Maximum Current*	CCS Cables	100A	200A	200A	200A	200A	200A
		CHAdeMO Cables	100A	125A	125A	125A	125A	125A
GBT Cables		100A	200A	250A	250A	250A	250A	
AC Outlet	AC Output Power Rating	N/A	N/A	N/A	Up to 23 kW	N/A	N/A	
	AC Output Voltage					380/400/415 VAC		
Electro-Magnetic Compatibility		Class A (optional Class B) according to EN 61000-6-3:2007						
Distribution Systems		TN-S, TN-C, TN-C-S, TT (required external RCD)						
Connector Type		3P + N + PE						
Protection		Overcurrent, overvoltage, undervoltage, integrated surge protection, ground fault including DC leakage protection, door opening protection						
Overvoltage Category		Type II						
Power Factor (Full Load)		≥ 0.98	≥ 0.99	≥ 0.99				
THDi		≤ 5%						
Efficiency		≥ 93% (peak)			≥ 94% (peak)			
Standby Power		< 35 W						
Short Circuit Current		10 kA						
Pre-charge Current		< 1 A						
Inrush Current		< 55 A	< 100 A	< 100 A				
Leakage Current		0.8 mA						
Energy Metering		Standard: Meter for DC outlet, Optional: AC inlet						
Cellular Communication		GSM / 4G/ LTE						
USER INTERFACE								
Connectivity		Internet access via 4G/3G/Ethernet (RJ45)						
User Authentication		RFID, QR code						
User Interface		7" LCD high-contrast touchscreen						
Communication Protocols		Proprietary and OCPP 1.6J						
RFID Reader		ISO/IEC 14443 A/B Mifare RFID reader						
Emergency Button		Yes						
CONFIGURATION								
Software Upgrade		Yes						
Language System		English, Chinese, French, Spanish						
GENERAL CHARACTERISTICS								
Protection Rating		IP54 and IK10 (cabinet) / IK8 (touchscreen)						
Housing Material		SGCC, Optional: SUS430						
Operating Altitude		Up to 2000 m						
Operating Temperature		-35 °C to +55 °C						
Storage Temperature		-40 °C to +70 °C						
Humidity		<95%, non-condensing						
Mounting		Free-standing cabinet						
Dimensions (D x W x H) mm		235.5 x 660 x 1250		360 x 660 x 1500		600 x 700 x 1600		
Net Weight (kgs)		80	105	175	182	326	370	
COMPLIANCE STANDARDS								
Codes & Standards		IEC 61851-21-2, IEC 61000, IEC/EN 61851-1, IEC 61851-23, IEC 61851-24, IEC 62196-1, IEC 62196-3, GBT18487, GBT20234, NB/T 33008.1, NB/T 33001						
Communication to the EV		DIN 70121, ISO/IEC 15118, CHAdeMO 1.6j, GBT27930, GBT 34657, GBT 34658						

*Cable can be customized upon request.
Product specifications are subject to change without further notice