

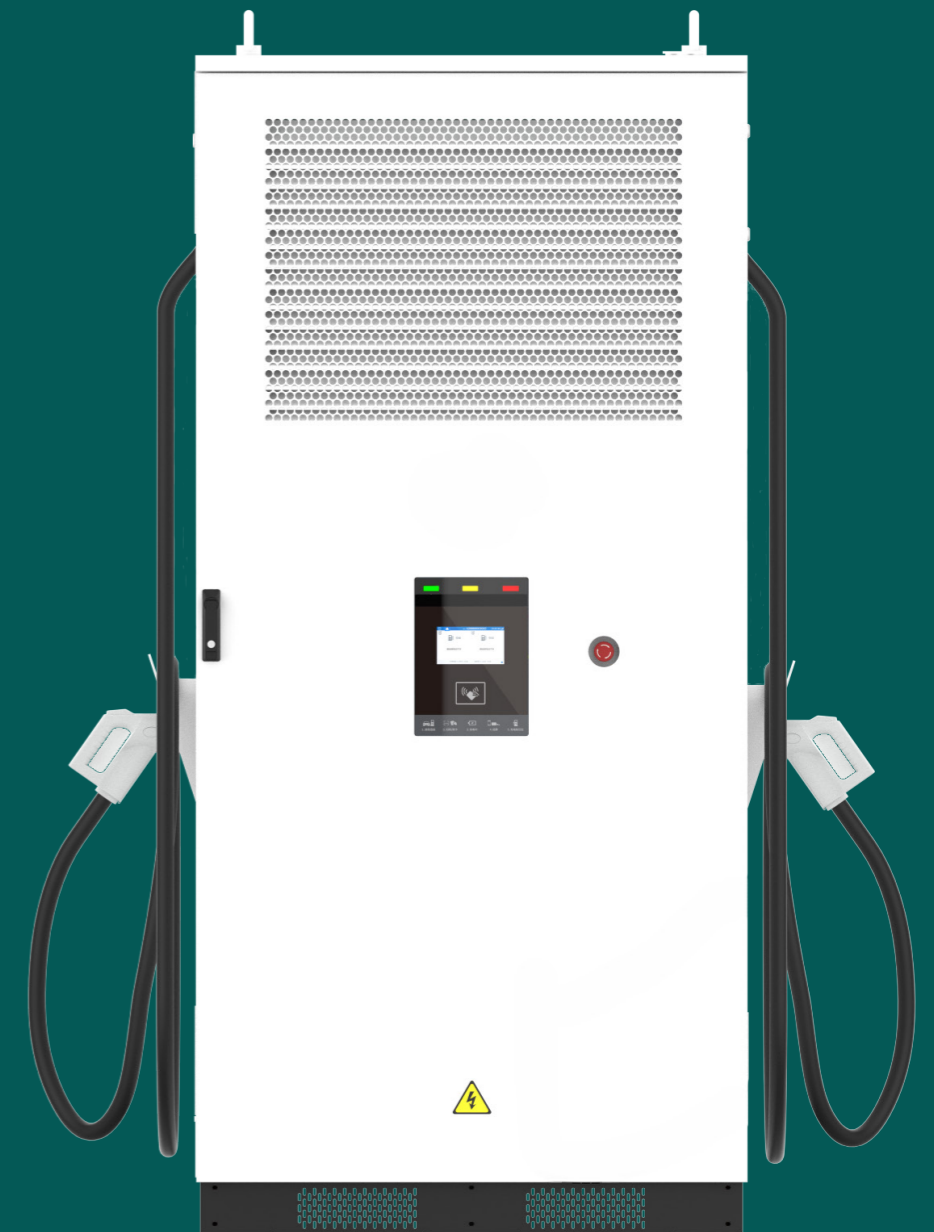


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Emaldo® EM-C+H120

Specifications



The EM-C+120 is a 120 kW DC fast charger designed for efficient and reliable EV charging. It features intelligent battery management with active balancing, flexible energy allocation through peak shaving, and cloud-based monitoring with remote control and fault warnings.

Emaldo® EM-C+H120

Specifications

Battery Parameters

Battery Cell	Lithium-ion (LFP) 3.2V/314Ah
Energy Storage capacity	208.99kWh
Dis/Charging rate	≤0.5C
Cooling system	Liquid cooled by air-cooled chiller
Cycle life	>6000 cycles@0.5C, 25°C,70%SoH
Ambient temp. range	-20~50°C
Humidity	5% - 95% RH no condensing
Storage temp.	-20°C~+60°C
Certificate	CE/ IEC62619

Others

SPD	Level C
IP&IK ranking	IP54 / IK10
Altitude	≤2000 m
Dimensions (H+W+D)	2350+1300+1430 mm
Weight	2.5 ton
Cabinet Transportation	Forklift or hoist
Warranty	2 years (extended warranty available)
SKU	CI-EM-C+H120-01

Electrical System (infeed)

AC rated power	ACDC module 30kW/60kW PCS module 30kW/60kW (B2G)
AC voltage	380V/400V (50Hz)
Grid type	3L+PE
PV DC coupling input	MPPT module 30/ 60kW (optional)
DC input voltage	625Vdc~850Vdc

EV Charger system (output)

Number of guns	2 DC guns
Charging plug	CCS2
Voltage range	150Vdc~1000Vdc
Max. output power	DC 120kW
DC charging distribution	Flexible allocation

EV Charger system (Info sys.)

HMI	7-inch touch screen
Payment sys.	RFID card/EFTPOS (optional)
Charging cable	5m/gun
Power meter	Cl. 1.0
Communication	Ethernet, 4G, WiFi
Protocol	OCPP/MQTT

The EM-C+H120 is a high-power DC fast charging solution with support for up to 120 kW charging, reducing charging time for mainstream electric vehicles. Equipped with a high-capacity battery system, it enables flexible energy allocation through peak shaving and valley filling. Advanced battery management with active balancing ensures real-time monitoring and enhanced safety.

