XCHARGE

SUPERCHARGER C6AM 208V

Overview

The C6AM is a DC Smart Charger and compatible with 208 VAC 3-Phase sites in the United States. It is meant to be a turn-key, easy-to-deploy rapid charging solution for independent operators. It comes with 2 charging ports (CCS I, Tesla or CHAdeMO2.0), LTE connectivity, and a 125kW peak output. An Integrated POS system is included for easy revenue generation and management. The C6AM can be deployed in less time and cost when compared to most units on the market.

Main Features

Compact, space-saving housing
C6AM charging points can be accommodated on less than “5.38” square feet and weigh less than “882” lbs. The cables are well protected against damage caused by sharp objects, impact, and moisture. A unique z-shaped ventilation system and a centrifugal fan for cooling help extend the product life cycle.

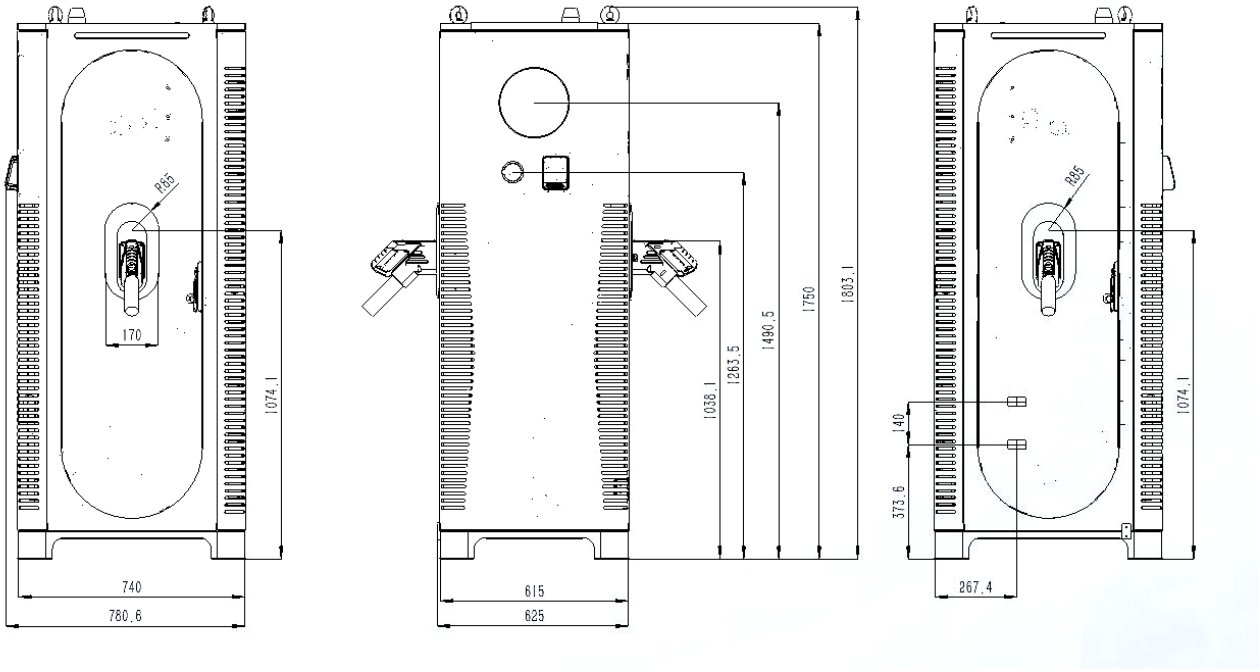
Award winning design
The C6AM fast charging station was awarded the Reddot Award in 2016. The circular display guides the customer easily through the charging process. 60 LEDs at the sides present the operating status and the progress of the state of charge (SOC)

Highly customizable and adaptable
Choose from the number of modules to achieve a maximum output power of up to 125kW. Optional touch screen capabilities. Extra-long cables which may be supported by a cable management system. Double CCS connectors or mixed with Tesla or CHAdeMO. DC output voltage range from 150 - 1000V, suitable for every electric vehicle in the market. Our bestselling DC charging station has been installed in more than 3500 locations around the world.

Product Specifications Model Number		System C6AM120CC, C6AM120JC,
...		
External Dimensions (H x W x D)	In. [mm]	69 x 25 x 29 [1752 x 635 x 737]
Net Weight	Lbs. [kg]	871 [395]
Shipping Weight	Lbs. [kg]	1014 [460]
Connector		Single / Double CCS1 or CCS1 + Tesla / CHAdeMO 2.0
Technical Specifications		
Electrical Power Requirements	Voltage, Phase, Hertz	208V, 3-phase, 60 Hz
Maximum Output Performance	kW	125
Max Running Load Ampacity	A	375
Recommended Fuse Size	A	450
Efficiency	%	95
Power factor	%	99
Total Harmonic Distortion (THD)	%	< 5
Communication		
Communication protocol		OCPP 1.6 J/S (1.6 Security & 2.0.1 ready) or XCHARGE protocol
Operation system		Android
Network connection		GPRS / 3G / 4G LTE / LAN / WIFI (optional)
Authentication method		RFID / QR-code / Remote Command / Password/Payment Terminal (Payter, Nayax, Ingenico)
Operating Conditions		
Operational temperature range	°F (°C)	-15~130 (-25~55)
Operational temperature range	°F (°C)	-40~130 (-40~55) w/ optional heat pump
Operational humidity range	%	5-95 non-condensing
Noise level	dB	< 65
Highlights		
Remote diagnostics		Remote WebUI tool
LED and screen		LED indicators & 15-inch HD touch screen
Display content		PNG / JPG / MP4 (via screen display) & Customizable exterior color and stickers
Power Metering		AC meter with MID/ETL certificate
Safety characteristics		
IP & IK Rating		IP54 & IK10
Residual current protection switch (RCD)		Type A
Safety protection		Over/Under voltage, Overload, Short Circuit, Anti-access, Earth leakage, Lightning, Overheat-protection
Access protection		Half cylinder lock 30/10
Standards		
IEC, ISO, DIN, UL		IEC 61851-1:2011, IEC 61851-23:2014, IEC 61851-24:2014, IEC 62196-3:2014, ISO 15118, DIN 70121-2014, ISO 9001, ISO 14001:2015, ISO 45001:2018, UL2202
Certification		
TUV (US), EEA, German Calibration Law, OCPP 1.6 & OCPP Security		CE, UL2202, Eichrecht Compliant (DE MTP 22 B 012 M), MOBI.E, be.ENERGISED
Connection standard		**CCS1 / Tesla**
Maximum output power	kW	125

Output voltage range	V_{DC}	200 - 1000
Maximum output current	A_{DC}	250
Connection standard		UL-62
Cable assembly length	m	3.2 (Optional 5 / 7 / 10)
Connection standard		**CHAdeMO**
Maximum output power	kW	50
Output voltage range	V_{DC}	150 - 500
Maximum output current	A_{DC}	125
Connection standard		CHAdeMO 2.0
Cable assembly length	m	3.2 (Optional 5 / 7 / 10)

Dimensions



*Dimensions in mm

Adaptive Power Capability Overview

The C6AM comes with the ability to adjust power output in accordance to a sites power availability. The function allows a unit to be work with lower power sites, without any hardware changes, as well as the ability to revert/change power output post install

should power availability increase through a sites lifespan. The function can be set using the included XCharge backend, or via firmware tool during commissioning/servicing. The below table highlights the various power levels that can be set for the units, as well as the needed panel hardware to support safe and reliable operation.

Power Level (kW)	Max Current Draw (a)	Breaker Sizing (a)
125	375	450
100	300	375
75	225	250
62.5	175	200
50	150	175
40	120	150
30	90	125

UL Certification

CERTIFICATE
No. U8 118947 0001 Rev. 00
Model(s):
C6AM150JC; C6AM150CC; C6AM150C0;
C6AM120JC; C6AM120CC; C6AM120C0;
C6AM90JC; C6AM90CC; C6AM90CO;
C6AM60JC; C6AM6OCC; C6AMGOCO.

Tested according to:
UL2202:2009/R:2018-02
CSA C22.2 No. 107.1:2016