

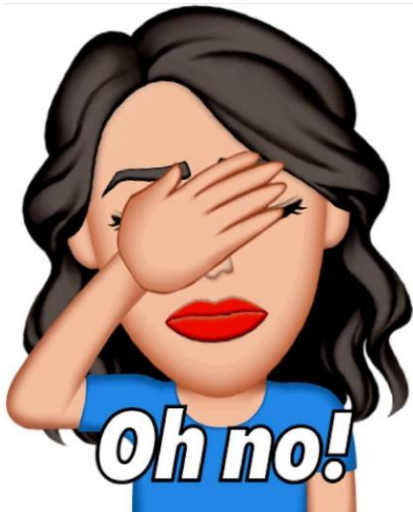
Emergency Mobile EV Charging System



Running out of juice in an electric vehicle (EV) is a challenging situation. Unlike running out of fuel in an internal combustion engine vehicle, you can't simply walk to a nearby gas station and fill up a gas canister to bring fuel back to your vehicle. With a traditional vehicle, roadside assistance can also help by giving a few liters of gas to send you on your way. Unfortunately, electrical energy can't be transported or stored as easily as gasoline. Luckily, we can provide emergency EV charging services for you once your EV is power off.



No power to drive more distance.
You can call emergency charging service.



You can call emergency mobile EV charging system to charge your car.

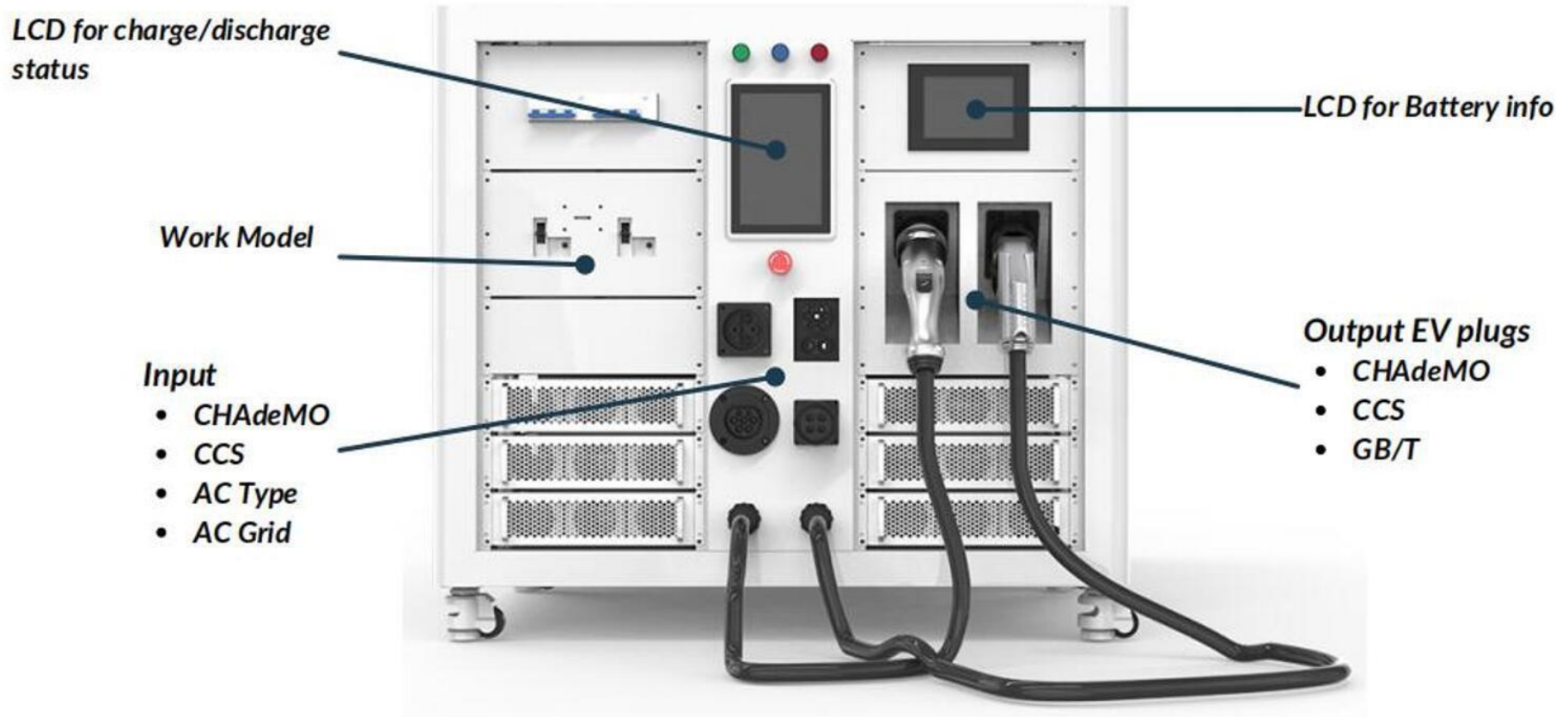


Emergency mobile EV charging system is built-in battery pack (LiFePO₄). It can be charged by AC source, public EV chargers. And provide DC power for charging your vehicles through DC cables.



Emergency mobile EV charging system detailed description:

1. Input sources: AC grid, public chargers (Chademo, CCS1/CCS2,type1/type 2)
2. Output EV cables: Chademo/CCS1/CCS2/type 1/type 2/GB/T/Tesla



We can customize different power emergency mobile EV charging system with different capacity battery. Different inputs and different outputs.

Below configuration is our best-selling ones:

- 1) 30kw emergency mobile EV charging system with 30kwh battery
- 2) 30kw emergency mobile EV charging system with 38kwh battery
- 3) 60kw emergency mobile EV charging system with 60kwh battery
- 4) 100kw emergency mobile EV charging system with 120kwh battery
- 5) 120kw emergency mobile EV charging system with 120kwh battery
- 6) 120kw emergency mobile EV charging system with 250kwh battery

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30KW power with 30KWH battery



Input:
CCS2
AC grid

Output:
CHAdemo
AC type 2

Specification of 30KW power with 30kwh battery

Specification		
Input	CCS2	CCS2 from public EV charger
	AC grid	3 phase 380VAC
DC output	power	30kW
	voltage	50-500VDC
Battery System	CCS2	CCS2 cable for charging EV car
	CHAdEMO	CHAdEMO cable for charging EV car
	Battery Capacity	30KWH
	Cell chemistry	Lithium iron phosphate LiFeP04
	DoD % (depth of discharge)	90%
	Working Temperate	charge: -20~55°C / Discharge: -20~65°C
	Communication Protocol	RS485/CAN/LAN/PLC
Structure Design	Cycle life(0.3C)	>6000 times, 100% DOD @25°C
	Installation Method	mount it into van/trail with 4 wheels
	Charging Outlet	CHAdEMO+CCS2
	Cable Length	5m (standard)
	LED Indicator	3 indicators
	LCD screen	10 inch touchscreen shows EV charger status 7 inch touchscreen shows battery status
Communcation	Emergency Stop Button	Yes
	EN-GATE v.s. Charger	CAN 2.0 (CHAdEMO)
	EN-GATE v.s. Backend	Ethernet/WIFI, 3G and 4G are optional
	Communication Protocol	OCPP 1.6(JSON)
Dimension and Weight	Dimension(LxWxH)	1100*1073.5*960mm
	Weight(KG)	650KG

30KW power with 30KWH battery



Input:

CHAdcMO
CCS1
AC grid

Output:

CHAdcMO
AC type 2

30KW power with 38KWH battery



Input:

CCS2
AC grid

Output:

CHAdEMO
CCS2

60KW power with 60KWH battery



Input:
CHAdEMO
CCS2
AC type 2
AC grid

Output:

CHAdEMO
CCS2

Specification of 60KW power with 60kwh battery

Specification		
Input	CCS2	CCS2 from public EV charger
	AC grid	3 phase 380VAC
DC output	power	60kW
	voltage	50-500VDC
Battery System	CCS2	CCS2 cable for charging EV car
	CHAdEMO	CHAdEMO cable for charging EV car
	Battery Capacity	60KWH
	Cell chemistry	Lithium iron phosphate LiFeP04
	DoD % (depth of discharge)	90%
	Working Temperate	charge: -20~55°C / Discharge: -20~65°C
	Communication Protocol	RS485/CAN/LAN/PLC
	Cycle life(0.3C)	>6000 times, 100% DOD @25°C
Structure Design	Installation Method	mount it into van/trail with 4 wheels
	Charging Outlet	CHAdEMO+CCS2
	Cable Length	5m (standard)
	LED Indicator	3 indicators
	LCD screen	10 inch touchscreen shows EV charger status
		7 inch touchscreen shows battery status
		Emergency Stop Button
Communcation	EN-GATE v.s. Charger	CAN 2.0 (CHAdEMO)
	EN-GATE v.s. Backend	Ethernet/WIFI, 3G and 4G are optional
	Communication Protocol	OCPP 1.6(JSON)
Dimension and Weight	Dimension(LxWxH)	1172*967*1500mm
	Weight(KG)	1250KG

60KW power with 60KWH battery



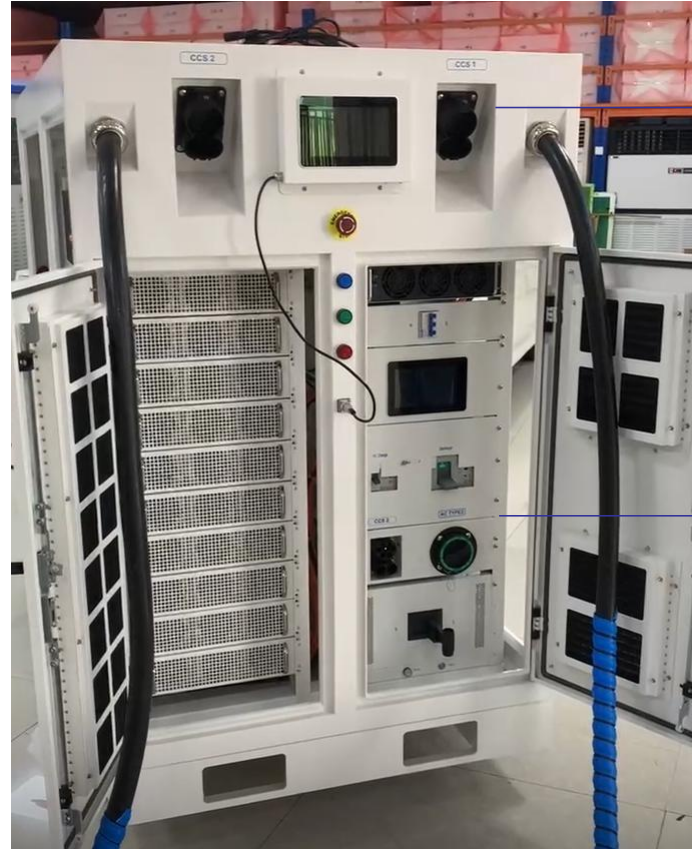
Input:

CCS2
AC type 2
AC grid

Output:

CCS2
AC type 2
GB/T

100KW power with 120KWH battery



Output:

CCS1
CCS2

Input:

CCS2
AC grid



Output:

CCS2-1
CCS2-2

dimension: 2700*1600*1630mm

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200KW power with 250KWH battery



200KW power with 250KWH battery



Input:

CCS2

Battery
(LiFePO₄)

charging power module

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200KW power with 250KWH battery



Battery
(LiFePO4)



This emergency mobile EV charging system built-in 10KVA pure sine wave inverter, it can provide single phase 220VAC 6KW power for applications.

Specification of 200kw emergency mobile EV charging system with 250kwh battery

1 type Inputs(battery be charged)	CCS	CCS2 cable from public EV charger	
2 charging outputs	CHAdeMO	CHAdeMO cable for charging EV car	
	CCS2+CCS2	CCS2+CCS2 charging cables for charging two vehicles simultaneously	
	GB/T/Tesla	GB/T/Tesla cable for charging EV car (optional)	
DC output	power	120kw (other power can be customize)	
	voltage	200-500V DC	
AC output	voltage and power	single phase 220VAC 6KW	
Built-in	battery pack	250kwh battery (18pcs 51.2V 280AH LiFePO4 battery)	
	battery charger	460V, 250A	
Structure Design	Installation Method	stand	
	Charging Outlet	CCS2+CCS2	
	Cable Length	5 m (standard)	
	LED Indicator	diode strip light	
	LCD screen	10-inch touchscreen shows EV charger status	
		7-inch touchscreen shows battery status	
	Emergency Stop Button	Yes	
	Startup Mode	Plug-and-play/RFID card	
	RFID	Yes	
	Battery button	switch buttons for discharge and charge battery	
Communication	EN-GATE v.s.Charger	PLC(CCS)	
	EN-GATE v.s.Backend	Ethernet/WIFI,3G and 4G are optional	
	Communication Protocol	OCPP 1.6 (JSON)	
Dimension and weight	Dimension (net size)	2700*1600*1630mm	
	Weight	4000kg	

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200kw emergency mobile EV charging system
with 1000KWH battery in 40-inch container



Specification of 200kw emergency mobile EV charging system with 1000kwh battery

4 types Inputs (battery be charged)	CHAdeMO	CHAdeMO cable from public EV charger
	CCS	CCS1 or CCS2 cable from public EV charger
	AC type	type 1 or type 2 cable from public EV charger
	AC mains	3 phase 300-440VAC/480V/single phase 110V/220VAC
2 or 4 charging outputs	CHAdeMO	CHAdeMO cable for charging EV car
	CCS	CCS1 or CCS2 cable for charging EV car
	GB/T/Tesla	GB/T/Tesla cable for charging EV car (optional)
DC output	power	30kw-200kw (other power can be customize)
	voltage	200-500V DC or 500-750VDC
Built-in	battery pack	1000kwh LiFePO4 battery
	battery charger	460V, 250A
Structure Design	Installation Method	mount it into van with 4 wheels
	Charging Outlet	CCS2, CCS1, Chademo, GBT are optional
	Cable Length	5 m (standard)
	LED Indicator	3 indicators
	LCD screen	10-inch touchscreen shows EV charger status
		7-inch touchscreen shows battery status
	Emergency Stop Button	Yes
	Startup Mode	Plug-and-play/RFID card
	RFID	Yes
	Battery button	switch buttons for discharge and charge battery
Communication	EN-GATE v.s.Charger	CAN 2.0(CHAdeMO, GB/T) PLC(CCS)
	EN-GATE v.s.Backend	Ethernet/WIFI,3G and 4G are optional
	Communication Protocol	OCPP 1.6 (JSON)
Dimension and weight	Dimension	40''container (need to customize)
	Weight	need to customize