

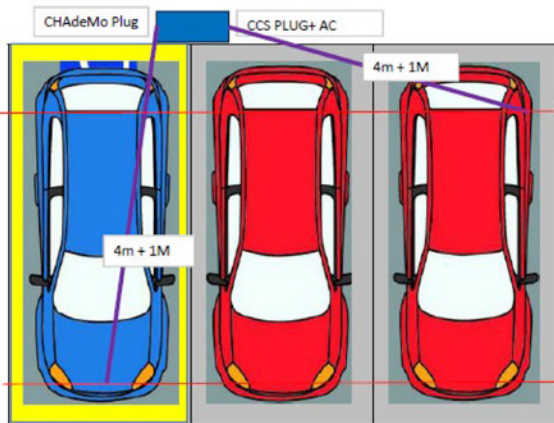
Sirius DC

DC 60KW + AC 22Kw charging station

- > DC Chademo or CCS2 60kW configurable
- > Single load 60 kW / simultaneous DC30 + 30kW
- > 7 "interactive color touchscreen
- > OCCP 1.6
- > Over-current protection
- > Overheating protection
- > Ethernet connection
- > Door open warning
- > SPD to protect the line
- > RCD type B
- > MID certified meters
- > 3G / 4G / Wi-Fi modem on request
- > 100 to 500 VDC - 60 KW
- > 400VAC 22kW
- > PF> 0.99
- > Interactive 7"color touchscreen
- > Emergency button
- > SPD protection
- > Temperature -20 ° C ... + 55 ° C
- > Protection IP54
- > Dimensions 700mm (W) x 1630mm (H) x 600mm (L)
- > Weight 250Kg



1 DC station = 3 EVs charging



FAS

CCS + CHAdeMo + AC type 2 Charger

DC OUTPUT 500V, 60KW - AC OUTPUT 400V, 22KW

The SIRIUS DC model is a fast charger equipped with two CCS / CHAdeMO connectors with a simultaneous charging of 60KW and a Type 2 connector of 22KW. The charger is suitable for outdoor use and in harsh working environments. The simple user interface and the OCPP 1.6 communication protocol allow integration into any backend.



Technical Details

- > CCS2 / CHAdeMO / AC type2, OCPP 1.6 integrated
- > IP54 protection for reliability and performance, even in aggressive environments
- > Parallel chargers with load balancing function
- > DC ChadeMo and CCS simultaneous charging with load balancing
- > RCD type B protections
- > Safety devices and electrical protections on board
- > Interface with 7" touchscreen
- > Several payment options (card, credit card reader, time)
- > Integrated AC / DC meters (AC certified)
- > 3G / 4G / Wifi (optional), RFID / NFC
- > AC / DC conversion efficiency: 95%

Input AC Parameters			
Frequency	Apache 1PH		
Voltage	Monofase 230 VAC 50/60Hz		
Power Factor	64 A		
Total Harmonic Current	7,4 + 7,4 kW		
Output Parameters			
DC Voltage accuracy	<±0.5%		
DC Output voltage range	DC 150-550V		
DC Current sharing	<±3%		
Efficiency	> 95% Pout 100% (≥90% Pout 20%)		
DC Output power range	0-60KW / 140A		
AC Output power range	0-22KW / 32A		
Standards			
CCS PLC communication	DIN70121 and ISO15118.		
CHAdEMO	JEVS G104		
Safety	Compliant with CE, EN 61851-1-2001; EN 61851-21-2001; EN 61851-22-2001		
Protection Classx	IP65		
EMC/Safety	EN61000-6-3 and EN61000-6-1 Class A		
Function and Interface			
HMI	7" TFT Touch Screen, RFID Card 3 Color LED: Power(Green) /Alarm(Red) /Charging(Blue)		
EV charge interface	CCS2 /CHAdEMO /AC type2		
Metering and Billing	2* DC energy meter: 1Ac meter (MID certificated)		
Monitor interface	10M/100M LAN and built-in 3G/4G wireless communication interface		
Emergency stop	RCD Type B Inside, E-stop button, AC Leakage switch		
Charging and Billing Modes	Auto full charge, Charge by Time / Amount / Energy / SOC		
Two DC connectors operation	Each gun can realize zero/half/full power switch by priority setting : automatic, car priority or time priority		
Charging Model	3 guns can charging at the same time		
Charger cooperative work	Ring loop power network function between 2 chargers/4 guns. Full power can transfer to each gun		
Installation	Stand mounting		
Working environment			
Ambient temperature	20 ~ +55°C , full power output below 50°C Power derating 5%/°C above 50°C		
Storage temperature	-40 ~ +75°C		
Working humidity	0 ~ 95%		
Working altitude	0 ~ 2000 m		
Charging Protection	Over-current protection, Short circuit protection, Over-voltage protection, Under-voltage protection, Insulation monitoring, Ground monitoring, Two gun output common ground protection, Battery reverse polarity protection, Over temperature protection		
Mechanic			
Dimension (W*H*D mm)	700*1630*600	Weight	274 Kg
IK	IK10	Noise	<65dB

Cable preparation.

Cable selection should comply with relevant electrical industry specifications.

Table 1 Charging unit cabinet cable cross section selection

Connectors	Maximum current allowed	Minimum cross sectional area	0.5V pressure drop and maximum length under the minimum crosssectional area
DC charging cabinet AC input	200 A	50 mm ²	5 m

The cross-sectional area of the system ground cable should be the same as the largest distribution cable, but not less than 35mm². Ground bus terminal block is M8 screw. It is not practical to use a separate Ground wire. The customers would use standard 5W (3Ph+N+PE).