

XIAMEN JOINT TECH. CO., LTD.

JOINT TECH, BORN FOR SUSTAINABLE ENERGY

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EVD002 / DCFC

30/60KW



- Wider DC voltage range 400v to 1000v at 30KW constant output power per module, faster charging efficiency
- Charging standard developed from ISO15118/DIN70121
- Manages the charger by OCPP1.6 function
- The DC power module is equipped with epoxy resin automatic injection to sustain the dusty and salty air tests to improve environmental adaptability
- NEMA 3R protection, IK10 vandal-proof enclosure and IK08 touch screen
- Simultaneous dual DC charging
- Multilingual support for 7" colored touch LCD

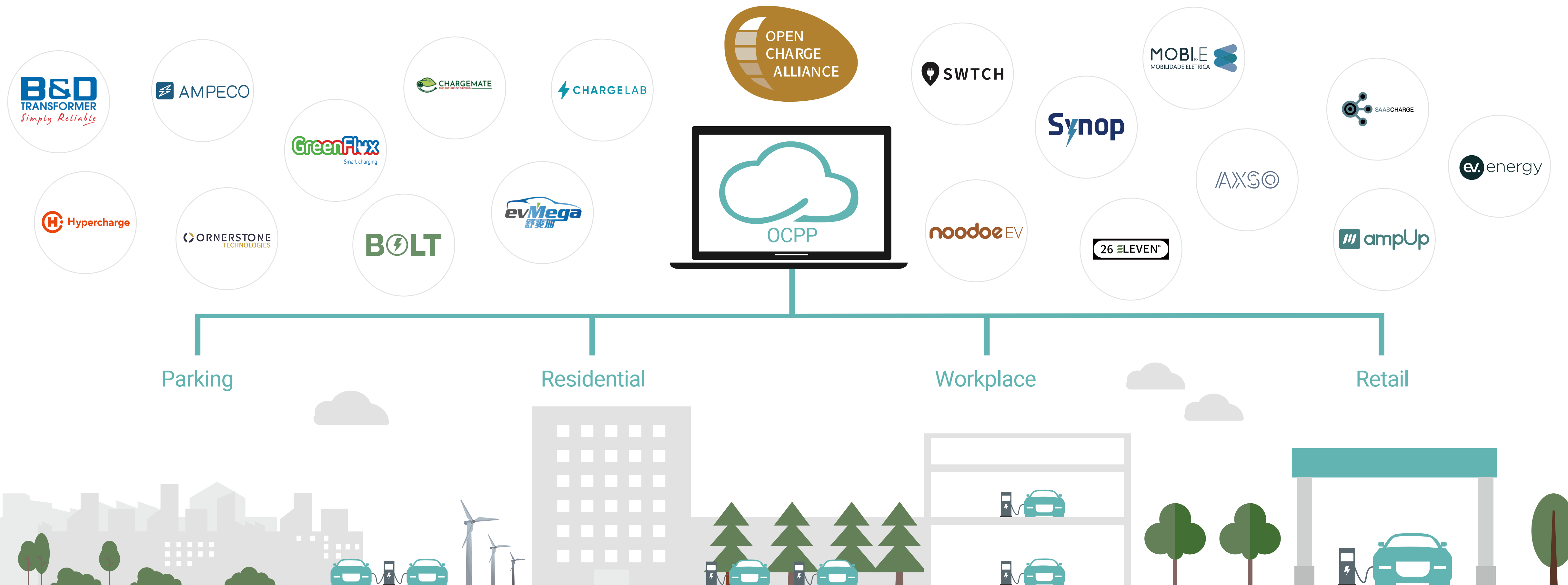
DATASHEET

Model		EVD002/30U	EVD002/60U
AC Input	AC Connection	3-Phase, L1, L2, L3, PE	
	Input Voltage Range	480V (+10% ~ -15%)	
	Input Frequency	50 Hz or 60 Hz	
	AC Input Power @ 480V 60Hz	40A, 33kVA	80A, 66kVA
DC Output	Maximum Power	30kW	60kW
	Charging Outlet	1*CCS1 cable	1*CCS1 cable+1*NACS cable
	Simultaneous Charges	1	2
	Cable Maximum Current	80A	150A
	Cooling method	Air-cool	
	Cable Length	18ft	
	DC Output Voltage	200-1000 Vdc (Constant power from 400-1000Vdc)	
	Voltage accuracy	+/- 2%	
	Current accuracy	+/- 2%	
Protection	Overcurrent, overvoltage, undervoltage, integrated surge protection, DC leakage protection, grounding protection, overtemp protection		
Power Factor (Full Load)	≥0.99		
THDi	≤5%		
Efficiency (peak)	≥94%		
Standby Power	≤100W		
Short Circuit Current	10kA		
Energy Metering	Meter for DC outlet (exposure)		
USER INTERFACE			
User Interface	7" LCD high-contrast touchscreen		
Language System	English (Other languages available upon request)		
Local Authentication	Plug & Play / RFID / Credit Card (Optional)		
Emergency Button	Yes		
Internet Connectivity	Ethernet, LTE, Wi-Fi		
LIGHT CODES			
Standby Power	Solid Green		
Charging	Green Blinking		
Finished charging	Solid Green		
Fault	Solid Red		
ENVIRONMENTAL			
Operating Temperature	-31°F to +131°F (de-rating characteristic applies from 104 °F)		
Storage Temperature	-40°F to +158°F		
Humidity	< 95%, non-condensing		
Operating Altitude	Up to 6561 ft		
MECHANICAL			
IP/IK Rating	NEMA 3R and IK10 (cabinet) / IK08 (touchscreen)		
Operating noise level	≤65dB		
Cabinet Material	stainless 430 steel		
Screen Material	temper glass		
Packaging Material	wooden case		
Mounting	Wall-mount or pedestal stand		
Anti-theft lock design	Key lock		
Screen height from the ground	≤48inch		
Mounting auxiliary handle	Yes		
Dimensions (D x W x H) mm	D850*W348*H1650		
Warranty	24 months		
ACCORDING TO STANDARDS			
Safety	UL2202, UL2231-1, UL2231-2		
EMC	FCC 15 Class A		
Protocol	EV Communication	DIN 70121& ISO15118	
	Backend support	OCPP1.6 (Can be upgraded to OCPP 2.0.1 later)	
	DC connetor	SAE J1772, NACS	
	RFID Authentication	ISO14443 A/B	

OCPP 1.6/2.0.1

Joint's OCPP1.6J has been successfully integrated with more than 50 global CPO platforms.

OCPP 2.0.1 supports more advanced features like dynamic load management which allows the charging station to adjust the charging rate based on the available power capacity, and it also supports bidirectional power flow, and improved security features and is generally seen as a more robust and scalable protocol.



DIMENSIONS

