

# Technical Specifications

480 kW Intelligent Flexible Charging Array		
<b>General Specifications</b>	Enclosure Material	Stainless Steel
	IP and IK Protection Rating	IP54 (dust-protected, resistant to splashing water)
	Operating Altitude	<2000 m
	Operating Temperature	-25 °C / +50 °C (full power)
	Temperature Derating	Up to 50 °C: 100% output power 50–65 °C: gradual power derating ≥ 65 °C: module shutdown protection
	Storage Temperature Range	-30 °C / +70 °C
	Humidity	5% – 95% RH (non-condensing)
	EMC	Class A (industrial)
	Protection Types	Input overvoltage protection; output undervoltage protection; short-circuit protection; overcurrent protection; overtemperature protection; surge protection; emergency stop protection, etc.
<b>Power Unit</b>	Input Voltage	400 VAC ±10%
	Input Frequency	50 / 60 Hz
	Input Type	3 Phase + N + PE
	Output Power	480 kW
	Power Factor	0,99
	Peak Efficiency	≥96% (at full load)
	THDi	≤%5
	Emergency Stop Button	Available
	Grounding Type	TN-S, TT

<b>Dual-Gun User Terminal</b>	Gun Options	CCS2
	Charging Gun Configuration	≤ 12 units
	Output Voltage	200~1000V
	Constant Voltage Range	300~1000V
	Output Current	0–250 A
	Cable Length	5 m, 7 m (optional)
	Display	15" HD touch screen
	Load Balancing	Flexible power distribution according to user requirements
	Payment Method	Mobile payment and card authentication (optional)
	Peak Efficiency	≥96%
	Communication Interface	4G / LAN Port
	Language	English (other languages supported upon request)
	Communication Protocol	OCPP 1.6J
	Optional Functions	Tilt detection, water ingress detection, smoke detection, heater, cable management
Emergency Stop Button	Available	
<b>Standards and Certifications</b>	Applied Standards	IEC 61851-1, IEC 61851-23, IEC 61851-21-2, ISO 15118
	Certifications	CE