

	20kW	30kW	40kW
Mechanical Parameter			
Dimensions (W×D×H)	600×300×800 mm	600×300×800 mm	600×300×800 mm
Weight	60 kg	65 kg	75 kg
Output Channels	Single	Single	Single
Charging Interface	CCS2	CCS2	CCS2
Cable Length	5m (customizable length)	5m (customizable length)	5m (customizable length)
Maintenance & Installation	Front-door maintenance, supports against wall installation	Front-door maintenance, supports against wall installation	Front-door maintenance, supports against wall installation
Electrical			
System Power	20 kW	30 kW	40 kW
Input System	Three-phase five-wire system (3P+N+PE)	Three-phase five-wire system (3P+N+PE)	Three-phase five-wire system (3P+N+PE)
Rated Input Voltage	400 Vac ± 10%	400 Vac ± 10%	400 Vac ± 10%
Grid Frequency	45 ~ 65 Hz	45 ~ 65 Hz	45 ~ 65 Hz
Power Factor (PF)	≥ 0.99	≥ 0.99	≥ 0.99
Output Voltage	DC 200 ~ 1000 V	DC 200 ~ 1000 V	DC 200 ~ 1000 V
Constant Power Range	DC 300 ~ 1000 V	DC 300 ~ 1000 V	DC 300 ~ 1000 V
Max. Output Current	67 A	100 A	133 A
System Efficiency	≥ 96%	≥ 96%	≥ 96%
Functional Features			
Activation / Start Method	Password / QR Code / IC Card / Credit Card / Bank Card	Password / QR Code / IC Card / Credit Card / Bank Card	Password / QR Code / IC Card / Credit Card / Bank Card
HMI (Human-Machine Interface)	10.1-inch color HD touchscreen	10.1-inch color HD touchscreen	10.1-inch color HD touchscreen
Vehicle-to-Charger Communication	PLC (DIN 70121, ISO 15118)	PLC (DIN 70121, ISO 15118)	PLC (DIN 70121, ISO 15118)
Communication & Network			
OCPP	OCPP 1.6J / OCPP 2.0	OCPP 1.6J / OCPP 2.0	OCPP 1.6J / OCPP 2.0
Remote Communication	Ethernet, 4G modules	Ethernet, 4G modules	Ethernet, 4G modules
Environment & Protection			
Operating Temperature	-30°C ~ +70°C (derating above 55°C)	-30°C ~ +70°C (derating above 55°C)	-30°C ~ +70°C (derating above 55°C)
Storage Temperature	-40°C ~ +75°C	-40°C ~ +75°C	-40°C ~ +75°C
Operating Humidity	5% ~ 95% RH, non-condensing	5% ~ 95% RH, non-condensing	5% ~ 95% RH, non-condensing
Altitude	≤ 2000m (derating above 2000m)	≤ 2000m (derating above 2000m)	≤ 2000m (derating above 2000m)
Noise Level	≤ 65 dB (at 1m distance from enclosure)	≤ 65 dB (at 1m distance from enclosure)	≤ 65 dB (at 1m distance from enclosure)

Protection Rating	IP55	IP55	IP55
Dustproof Class	G3-level dust filter	G3-level dust filter	G3-level dust filter
Safety & Standard Certification			
Certification Mark	CE	CE	CE
Protection Functions	Input over/under voltage protection, Output overvoltage protection, Output overcurrent protection, Short circuit protection, Battery reverse connection protection, Insulation monitoring protection, Door enclosure protection, BMS data anomaly protection, Emergency stop protection, Electromagnetic lock anomaly protection, Abnormal un-plugging protection, Lightning/Surge protection, Anti-tilt alarm protection (optional), Flooding/Water-immersion alarm protection (optional)		