

Model	INCEVD-600A	INCEVD-720A
Mechanical		
Cooling System	Matrix: Forced air cooling;	Matrix: Forced air cooling;
	Terminal: Forced air/Liquid cooling	Terminal: Forced air/Liquid cooling
Activation / Start Method	Password, QR Code, IC Card, VIN, Plug &	Password, QR Code, IC Card, VIN, Plug &
Dimensions (Matrix)	1500×850×1900 mm	1500×850×1900 mm
Dimensions (Fast Charge Single/Dual-Plug)	400×240×1350 mm	400×240×1350 mm
Dimensions (Supercharge Single-Plug)	500×300×1600 mm	500×300×1600 mm
Maintenance & Installation	Matrix: Front/rear door access; Fast charge terminal: Front door access, close-to-wall setup; Supercharge terminal: Front door access, close-to-wall setup	
Notes	1. 600A liquid-cooled cable supports max 7m; 2. 800A liquid-cooled cable supports max 5m; 3. Customized products are subject to technical agreements.	
Electrical		
Input System	Three-phase five-wire system (3P+N+PE)	Three-phase five-wire system (3P+N+PE)
Rated Input Voltage	380 Vac ± 20%	380 Vac ± 20%
Grid Frequency	45 ~ 65 Hz	45 ~ 65 Hz
Power Factor (PF)	≥ 0.99	≥ 0.99
THDi	≤ 5%	≤ 5%
Output Voltage	DC 150 ~ 1000 V	DC 150 ~ 1000 V
Constant Power Range	DC 300 ~ 1000 V	DC 300 ~ 1000 V
System Efficiency	≥ 96% (At half load and above)	≥ 96% (At half load and above)
Auxiliary Power Output	Default 12 V, optional 24 V, supports manual/automatic switching	Default 12 V, optional 24 V, supports manual/automatic switching
Power Distribution	Intelligent scheduling, allocation on demand	Intelligent scheduling, allocation on demand
Standby Power Consumption	≤ 100 W	≤ 100 W
Output Channels	2 to 10 connectors, supports 2 supercharging	2 to 12 connectors, supports 2 supercharging
Max. Current / Total System	2000 A	2400 A
Terminal Output Current	Fast charge single-plug: 250A; Fast charge dual-plug: 250A×2; Supercharge single-plug: 600A / 800A; Customized terminal: 1000A	
Operating Environment		
Operating Temperature	-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
Operating Humidity	5% ~ 95% RH, non-condensing	5% ~ 95% RH, non-condensing
Altitude	≤ 2000m (Output derated above 2000m)	≤ 2000m (Output derated above 2000m)
Noise Level	≤ 65 dB (at 1m distance from enclosure)	≤ 65 dB (at 1m distance from enclosure)
Monitoring Communication		
BMS Communication	Compatible with old and new standards, meeting the charging needs of old and new vehicle	
Remote Communication	Ethernet, 4G module (Free data during warranty period), Wi-Fi, Bluetooth	
HMI	7 - 10.1 inch color HD touchscreen (Peak brightness 900 nits)	
Safety Protection		
Protection Rating	IP55 for system enclosure	IP55 for system enclosure
Dustproof Class	G3-level dust filter	G3-level dust filter
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	