

Model	INCEVD-120L	INCEVD-180L
Mechanical		
Cooling System	Liquid cooling	Liquid cooling
Activation / Start Method	Password, QR Code, IC Card, VIN, Plug &	Password, QR Code, IC Card, VIN, Plug &
Dimensions (W×D×H)	850×900×2000 mm	850×900×2000 mm
Maintenance & Installation	Front-door maintenance, supports against wall installation	
Electrical		
System Power	120 kW	180 kW
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 200 ~ 1000 V	DC 200 ~ 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	≤ 50 W	≤ 50 W
Output Channels	Supports single/dual connector configurations	Supports single/dual connector configurations
Max. Current / Single Connector	400 A	600 A
Max. Current / Total System	400 A	600 A
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 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	
Protection Rating	IP65 for power & distribution compartment, IP54 for heat exchange compartment	
Dustproof Class	G3-level dust filter	