

60~240kW DC EV Charger Series - EU for Commercial Scenarios

Appearance







Scenarios

- Highway charging
- Public Charging
- EV Rental Company
- Industrial Park
- Logistics Park
- Inter-city
- School Bus

Features

Intelligent & Efficient

- Intelligent power management
- Optimized power modules
- Remote diagnostics and OTA
- High uptime (>98.5%), comprehensive interop tests for main stream EV models (>20 models)

Flexible & Convenient

- 32 inch high resolution touch screen, support advertisement
- Support multiple type of charging connector(s)
- Support various background management systems
- Build-in cable management system (5~7.5m length cable)
- Height of display meets the needs of the disabled
- Small footprint for narrow sites
- Ergonomically designed connector holder

Secure & Reliable

- CE/UKCA/CB certificates(pending)
- Multiple internal and external protection
- MTBF ≥ 50,000h
- 400A maximum current per connector

GPS EV & Energy Ltd.
Registered in England and Wales

Specifications

Model	EVDC2-60K-22-EU-33F	EVDC2-120K-22-EU-33F	EVDC2-160K-22-EU-33F	EVDC2-180K-22-EU-33F	EVDC2-240K-22-EU-33F
Input					
Voltage Range	400Vac ± 15%				
Mixumum Current	107.4A	214.9A	286.5A	322.3A	429.7A
Rated Frequency	50/60Hz				
Power Factor	>0.99				
Output					
Voltage Range	200 - 1000 Vdc				
Voltage Range in Constant Power Mode	300 - 1000 Vdc				
Current Range	2 - 200A	2 - 400A	5 - 532A	5 - 600 A	5 - 800 A
Maximum Output of a Single Connector	200A	400A	400A	400A	400A
System					
Peak Efficiency	≥95.8%				
Power Module	30kW	30kW	40kW	30kW	40kW
Ripple Coefficient	<0.5				
Current Sharing Coefficient	<5%				
Stabilized Voltage Precision	<0.5%				
Stabilized Current Precision	<1%				
THDi	≤5%				
Protocol	OCPP 1.6, OCPP2.0.X (Pending)				
Design Lifetime	8 Years				
MTBF	≥50,000h				
Customer Interface					
Display	Type: 32” HD true color anti-glare LCD; Operating Temperature Range: -20~70℃ Brightness: >1500 nits; Contrast: 1200:1; Interface: Capacitive touch screen				
Type of Connector	CCS2				
Maximum Number of Connectors	2				
Connector Communication Mode	In accordance with DIN 70121 and ISO 15118 standard				
Cable Length	5m (7.5m Optional)				
Safety					
Optimized Power Module for Better Integration	Customized charging mode to prevent the mis operation of human factor				
Interlock	Between 2 charging connectors				
Interface Safety Protection	Circuit discharge function, Insulation monitoring device (IMD), Battery reverse connection protection				
Ingress Protection Rating	IP54 (IP55 Optional)				
Impact Protection	Cabinet IK10, Screen IK08				
Protection	Short circuit protection, Over/under voltage protection, Voltage/current limitation protection, Overheat protection, SPD, Plug temperature monitoring function, Circuit contactor adhesion protection				
Emergency Stop	Disconnect the charger and EV to prevent emergency incidents				
Certification Standards	IEC 61851, IEC 62196, DIN 70121, ISO 15118				
Warranty	2 Years				
Environment					
Installation	Floor Standing				
Noise	≤65dB				
Operating Temperature Range	-30℃ - 50℃				
Relative Humidity	5% - 95% (No condensation)				
Cooling	Intelligent Air-cooling				
Operating Altitude	2000m (Derate from 2000m to 3000m)				
Dimension (Connectors not included)	W × H × D: 800×1880×500mm (Including cable management system)				
Weight	≈230kg	≈260kg	≈280kg	≈300kg	≈330kg