



Product Description

The Metrobit DC Panorama 60–240kW EV DC Fast Charger is a high-performance DC fast charging solution engineered for public, commercial, and fleet applications. Designed for reliable outdoor operation, the system combines high efficiency power conversion, broad vehicle compatibility, and intelligent communication integration.

With support for multiple international charging standards and OCPP protocols, the DC Panorama series ensures scalable, future-ready EV infrastructure deployment.

Key Features

- Power range from 60kW to 240kW
- Output voltage range 150–1000 VDC
- Air-cooled architecture
- Up to 300A output current
- Peak efficiency $\geq 95\%$
- IP55 protection, IK10 mechanical rating
- ISO15118 / DIN70121 compliant
- OCPP 1.6J (upgradeable to 2.0.1)
- Ethernet / WiFi / optional 4G connectivity
- 10.1" touch screen with optional 43" advertising display
- C4 anti-corrosion standard
- Load balancing capability

Applications

- Public charging stations
- Commercial & retail parking
- Fleet depots
- Highway service areas
- Municipal EV infrastructure
- Industrial facilities





Product Overview



Technical Specifications

AC INPUT								
Parameter	60kW	90kW	120kW	150kW	160kW	180kW	200kW	240kW
Input Voltage	3-phase 400VAC ±10%, 50/60Hz, 3P+N+PE							
Earthing System	TN-C / TN-S / TN-C-S / TT							
Rated Input Current	3Φ96A	3Φ144A	3Φ192A	3Φ240A	3Φ256A	3Φ288A	3Φ320A	3Φ384A
Max Input Power	63kW	95kW	126kW	158kW	168kW	190kW	210kW	253kW
Power Factor	≥0.99							
Peak Efficiency	≥95%							
THDi	≤5%							
DC OUTPUT								
Parameter	60kW	90kW	120kW	150kW	160kW	180kW	200kW	240kW
Output Voltage Range	150–1000 VDC							
Output Current (Connector)	150A / 200A / 250A / 300A (Optional)							
Max Output Current (System)	Up to 300A							
Max Output Power	60kW	90kW	120kW	150kW	160kW	180kW	200kW	240kW
Number of Outputs	2 (Any two combinations of CCS2, CCS1, GBT, CHAdeMO, NACS)							
Connector Type	CCS2 / CCS1 / GBT / CHAdeMO / NACS							
Voltage Accuracy	±0.5%							
Current Accuracy	±1%							
Standby Power Consumption	≤150W							
USER INTERFACE								
Parameter	Specification							
Display	10.1" Touch Screen							
Advertising Screen	Optional 43"							
Meter	CE Meter							
Emergency Button	Yes							
Authentication	RFID / QR Code / App							
COMMUNICATION								
Parameter	Specification							
Network	Ethernet / WiFi / Optional 4G							
OCPP	1.6J (Upgradeable to 2.0.1)							
Protocol Standards	ISO15118-1 / ISO15118-2 / ISO15118-3 / DIN70121							

*Specifications are subject to change without prior notice

Technical Specifications

ENVIRONMENTAL

Parameter	Specification
Operating Temperature	-30°C to 50°C (Over 50°C derating)
Storage Temperature	-40°C to 70°C
Humidity	< 95% non-condensing
Altitude	≤2000m

PROTECTION

Protection Features	Over voltage protection, Under voltage protection, Overload protection, Leakage current protection, Over temperature protection, Surge protection, Short circuit protection, Fault self-check, Insulation detection
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CERTIFICATION & STANDARDS

Item	Specification
Certificates	CE, CB
Charging Standards	IEC61851-1 / IEC61851-21-2 / IEC61851-23 / IEC61851-24 / IEC62196-1 / IEC62196-3
IP Rating	IP55
IK Rating	IK10 (HMI IK8)

MECHANICAL

Parameter	Specification
Dimensions (W×D×H)	800 × 603 × 1854 mm (Excl. cable management)
Weight	≤400kg
Cooling	Air Cooling
Cable Length	5m
Installation	Floor Mounted

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